

19990726.qrp v01_n529.qrl.990726

Date: Mon, 26 Jul 1999 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1529

QRP-L Digest 1529

Topics covered in this issue include:

- 1) [45948] BUMBLE BUMBLE, READY TO RUMBLE
by S LYON <sslyon@worldnet.att.net>
- 2) [45949] FS: TenTec Argonaut 515
by DaveLeDuc@aol.com
- 3) [45950] 2N2/40 note
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 4) [45951] RE: Q-dope substitute?? - preliminary test results
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 5) [45952] Slow CW NET
by Rick Sealey <rsealey@InfoAve.Net>
- 6) [45953] IOTA
by Pablo Luis Robles <wp4jxd@isla.net>
- 7) [45954] Re: 2N2/40 note
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 8) [45955] BB #22 Tries for DE
by Larry Cahoon <wd3p@juno.com>
- 9) [45956] Sunday BumbleBee Contest
by "Ron Polityka" <wb3aal@talon.net>
- 10) [45957] Bee 28 heads for Mt Herman
by "Steve/n0tu" <n0tu@webaccess.net>
- 11) [45958] re: Gravity waves
by Charles Kadesch <chas@digizen.net>
- 12) [45959] NOT GETTING QRP-L MESSAGES!
by waltek8cv@juno.com
- 13) [45960] 2N3904 and 2N3906 Pinouts
by "Dennis B. Dolle" <dolledb@cet.com>
- 14) [45961] Re: 2N3904 and 2N3906 Pinouts
by david fouchey <dafouchey@home.com>
- 15) [45962] Bumblebee #14 to Ft. Lincoln
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 16) [45963] More ADSL
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 17) [45964] QSLs from the Abyss
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 18) [45965] GARC Special Event Station
by "John R. Klim II" <jrklm@pop.erols.com>
- 19) [45966] SSTV LISTENING ON 7.228 Mhz

- by hamjoel@juno.com
- 20) [45967] Novice Alert 15 meters
by Kb4utv@aol.com
- 21) [45968] Marking toroids & desoldering wick tip
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 22) [45969] noise from telephone line
by barry kirkwood <bjk@ihug.co.nz>
- 23) [45970] One State to Go!
by Wb4jjj@aol.com
- 24) [45971] Poor Man's Paddles
by Wb4jjj@aol.com
- 25) [45972] RE: FS ITEMS
by "curt" <k3ivb@stargate.net>
- 26) [45973] Bee #30 in flight
by Bruce Grubbs <bog@flagstaff.az.us>
- 27) [45974] RE: Marking toroids & desoldering wick tip
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 28) [45975] Re: Gravity waves
by "Bill Long" <wlong@wmdd.edu>
- 29) [45976] Re: Q dope substitute
by "Joe Hussey" <jhussey@ee.net>
- 30) [45977] Fw: ARRL Simulation software
by "Vincent Ferme" <vferme@sprint.ca>
- 31) [45978] Re: ROTATABLE INVERTED HALF SQUARE
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 32) [45979] Re: Marking toroids & desoldering wick tip
by "John J. McDonough" <jjmcd@tm.net>
- 33) [45980] Re: Novice Alert 15 meters
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 34) [45981] 2N2/40 heatsinks
by PDouglas12@aol.com
- 35) [45982] BB #15 Flight
by "Ron Polityka" <wb3aal@talon.net>
- 36) [45983] Re: Gravity waves
by Tim Ahrens <tahrens@hilconet.com>
- 37) [45984] Re: Rotatable half-square
by wb2vuo@juno.com
- 38) [45985] QRP ARCI SSTV Awards
by radioham@erols.com
- 39) [45986] QRP-L PROB (UPDATE)
by ARDUJENSKI@aol.com
- 40) [45987] Flagstaff, BB test
by tom whalen <wb5qyt@eFortress.com>
- 41) [45988] SW 20/40
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 42) [45989] Re: noise from telephone line
by "Robert Roach" <KE4Q0K@worldnet.att.net>
- 43) [45990] Tuna Tin 2

- by "Francis Callahan" <colcal@srv.net>
- 44) [45991] CQ, HR and QST magazines for sale or trade
by Bill Cotter <bcotter@pop.uky.edu>
- 45) [45992] items for sale
by "The One and Only!" <mitch96@pobox.com>
- 46) [45993] Heathkit test gear - needs a good home
by n5ib@juno.com
- 47) [45994] Glacier Report (Part 5)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 48) [45995] Re: RS antenna insulator closeout
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 49) [45996] VHF/UHF Activity
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 50) [45997] swap?
by K4NK@aol.com
- 51) [45998] Re: Poor Man's Paddles
by Kenneth R Wezeman <n9qil@juno.com>
- 52) [45999] Re: Q dope substitute
by "Ted Williams" <tedw@btinternet.com>
- 53) [46000] 400 cycle xtal filter
by Oscar A Hoyt <k5ubs@juno.com>
- 54) [46001] Re: 400 cycle xtal filter
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 55) [46002] FoBB Summary
by Jay Freeman <jayFreem@direcpc.com>
- 56) [46005] re: 400 cycle xtal filter
by Oscar A Hoyt <k5ubs@juno.com>
- 57) [46006] Re: 400 cycle xtal filter
by Zack Lau <zlau@arrl.org>
- 58) [46007] Re: Poor Man's Paddles
by amr@ma.newweb.ne.jp
- 59) [46008] FLIGHT OF THE BUMBLEBEES
by Brad Bradfield <b_bradfield@yahoo.com>
- 60) [46009] FLIGHT OF THE BUMBLEBEES (AGAIN)
by Brad Bradfield <b_bradfield@yahoo.com>
- 61) [46010] BB #14 Summary
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 62) [46011] Slow CW Net
by Rick Sealey <rsealey@InfoAve.Net>
- 63) [46012] QST article on DX antenna
by Duane Alles <w9zm@yahoo.com>
- 64) [46013] Re: 2N2/40 heatsinks
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 65) [46014] Updated DE-Dir + 17-12 Beam designs
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 66) [46015] BB Score for N6WG
by "Bob Tellefsen" <n6wg@earthlink.net>
- 67) [46016] GARC Special Event Station

- by "John R. Klim II" <jrklm@pop.erols.com>
- 68) [46017] requesting QRP calling freqs.
by "Tom H" <biskit@snip.net>
- 69) [46018] Surplus BALUNS
by "Tracy" <tracy@bytemark.com>
- 70) [46019] KI6DS pics at Jersey QRP mtg AND Fireball Rx
by "George Heron" <n2apb@erols.com>
- 71) [46020] Now a Z32!
by Tim Ahrens <tahrens@hilconet.com>
- 72) [46021] ARS/BB'99 #32
by Bob Edwards <w4ed@gis.net>
- 73) [46022] RE: 400 cycle xtal filter
by "Tracy" <tracy@bytemark.com>
- 74) [46023] Bee Flight #37: N2CQ
by Ken Newman <N2CQ@citnet.com>
- 75) [46024] Re: Marking toroids & desoldering wick tip
by waltk8cv@juno.com
- 76) [46025] Half Squares and Random wire observations.
by "Earl Andrews" <earlve3ab@igs.net>
- 77) [46026] Re: ROTATABLE INVERTED HALF SQUARE
by w4bws@juno.com
- 78) [46027] For Sale MFJ 9020 and 9030 QRP rigs!
by Jeff <fantbb@yahoo.com>
- 79) [46028] 2n2/40 output filter
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 80) [46029] RE: 2n2/40
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 81) [46030] Heathkit test gear - spoken for
by n5ib@juno.com
- 82) [46031] Fort Tuthill 1999
by jaywa5whn@juno.com
- 83) [46032] RE: CY9CWI & W0RIP, W0RS, and Finally, W0RSP!
by aweiss@usd.edu (Ade Weiss W0RSP)
- 84) [46033] Ft. Tuthill, the K2, et al
by Thomas Kuehl <ac7a@uswest.net>
- 85) [46034] Want to trade
by RangerSF5@aol.com
- 86) [46035] Re: millawattting, QRO operators, Internet QSL's
by Lee Hopper <leehop@uswest.net>
- 87) [46036] single paddle or dual paddle
by Michael Bower <bowerm@ix.netcom.com>
- 88) [46037] FT-243 crystals
by "Thomas Moll" <n0bs@compaq.net>
- 89) [46038] T-match design program - searching for
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 90) [46039] OT: Horse shoe pit clay recipe...
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 91) [46040] FS: Atwater Kents

by "Randy Jouett" <rules@bellsouth.net>
92) [46041] Re: 400 cycle xtal filter
by Zack Lau <zlau@arrl.org>
93) [46042] Re: milliwatts - Skill not power
by Zack Lau <zlau@arrl.org>
94) [46043] w2gjs@juno.com: Sunday Flight of the Bumble Bees
by Larry Cahoon <wd3p@juno.com>
95) [46044] Fw: Bumble Bee Performance!
by "Randy Hargenrader" <randyh@harksystems.com>
96) [46045] Surplus BALUNS and UNUS
by "Tracy" <tracy@bytemark.com>
97) [46046] 6m contact at 100 MW
by Scott Howell <showell@hq.nasa.gov>
98) [46047] 6M contact at 100MW answer
by Scott Howell <showell@hq.nasa.gov>
99) [46048] Re: QSLs from the Abyss
by "Chuck Adams K5F0" <adams@ticnet.com>
100) [46049] Oshkosh
by "Richard Hensel" <rrhensel@sprintmail.com>
101) [46050] FS: Atwater Kents
by "Randy Jouett" <rules@bellsouth.net>
102) [46051] For Sale MFJ's 9020, 9030!
by Jeff <fantbb@yahoo.com>
103) [46052] Dare >milli / watting< At Receive End ?
by John R Kirby <n3aaz-qrp@juno.com>
104) [46053] The Upcoming August 1st NorCal Meeting
by Jerry Parker <jparker@fix.net>
105) [46054] pixie2
by "LB" <cyberoptics@pandora.be>
106) [46055] Re: FT-243 crystals
by Karl.Kanalz@optelinc.com
107) [46056] Glacier Hamfest (Part 6)
by Bruce Rattray <rattray@gpfn.sk.ca>
108) [46057] Maine at last!
by Tim Pettibone <k5oi@zianet.com>
109) [46058] DK9SQ Fiberglass Telescoping Tower
by Bill Cotter <bcotter@pop.uky.edu>
110) [46059] NN1G's DSW xcvr kits
by jaywa5whn@juno.com
111) [46060] Bee #30 report
by Bruce Grubbs <bog@flagstaff.az.us>
112) [46061] Glacier Hamfest (Part 7)
by Bruce Rattray <rattray@gpfn.sk.ca>
113) [46062] BB from CT--W1VT
by Zack Lau <zlau@arrl.org>
114) [46063] Re: FT-243 crystals
by af852@rgfn.epcc.edu (William R Colbert)
115) [46064] DK9SQ Fiberglass Telescoping Tower

by Bill Cotter <bcotter@pop.uky.edu>
116) [46065] BB #54 chased off the mountain by mother nature...
by =?ISO-8859-1?Q? "KB=D8VCC" ?= <kb0vcc@rocketmail.com>
117) [46066] Re: single paddle or dual paddle
by N9DD@aol.com
118) [46067] Re: Oshkosh
by Michael Melland <badger@vbe.com>
119) [46068] Variable Capacitors
by Willie Martin <71052.134@compuserve.com>
120) [46069] Trade Bencher for Paddlette
by Wes Spence <ac5k@ih2000.net>
121) [46070] SPICE model of NE602
by Hrafnkell Eiriksson <hkelle@rhi.hi.is>
122) [46071] Bears and Cow Bells!
by "Arthur G. Silvers" <ags@ieee.org>
123) [46072] RE: SINGLE OR DUAL PADDLES??
by Brad Bradfield <b_bradfield@yahoo.com>
124) [46073] Special Thanks
by Bob Hightower <ki7mn@extremezone.com>
125) [46074] Re: Ft. Tuthill, the K2, et al
by Bruce Grubbs <bog@flagstaff.az.us>
126) [46075] COAX ISOLATION SWITCH
by ARDUJENSKI@aol.com
127) [46076] Glacier Report (Final)
by Bruce Rattray <rattray@gpfn.sk.ca>
128) [46077] SD-20 still available?
by "Joel Frederick Kluender" <nf9k@eudoramail.com>
129) [46078] Attention "Mod Squad"...SST Modifications
by "Frank Matthews" <fmathews@pilot.infi.net>
130) [46079] BB#16 / Ki0ii / WY / QRP / WoW!
by "Zoerb, Ron" <Zoerb.Ron@tci.com>
131) [46080] WTB: TT Model 245 CW Filter
by "Tim Cook" <timcook@erinet.com>
132) [46081] WTB:HTX-100
by RadioKOL@aol.com
133) [46082] Frequency Counter
by "Charles Hamel" <cdhamel@pdq.net>
134) [46083] Re: Attention "Mod Squad"...SST Modifications
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
135) [46084] Re: SPICE model of NE602
by James P Rybak <jrybak@mesastate.edu>
136) [46085] RE: SINGLE OR DUAL PADDLES??
by "Marshall Emm" <mgemm@mtechnologies.com>

Date: Sat, 24 Jul 1999 19:17:08 -0400
From: S LYON <sslyon@worldnet.att.net>

To: qrp chat <qrp-1@Lehigh.EDU>
Subject: [45948] BUMBLE BUMBLE, READY TO RUMBLE
Message-ID: <379A4974.42D78151@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang -hope you're all ready for fun-in-the-sun-Sunday!
Weather was 95F. and humid today for the shake-down cruise on my deck.
Then a T-storm shut me down pronto! More promised for tomorrow, so
should be "interesting"

The DSW-20 puts out 1.5w @ 12V, the 40+ about 2.2w. Pwr by Makita drill
battery. Ant will be a 66' dipole 60' ladderline to RG 8-X to a tuner
-both bands. Focus will be on 20M of course.

I'll be biking & hiking to the site, but not sure I'll get to the top as
heat/humidity are killers. It's on Mt Beacon, a few miles north of West
Point, on the Hudson.

I'm sure the other BEES are hoping as I am for a great turn-out to make
the effort worth while. C U !

72

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Sat, 24 Jul 1999 19:56:02 EDT
From: DaveLeDuc@aol.com
To: qrp-1@lehigh.edu
Subject: [45949] FS: TenTec Argonaut 515
Message-ID: <ee4435f5.24cbac92@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

TenTec Argonaut 515 80-10 CW/SSB QRP transceiver in excellent condition. With
manual and box.

\$325 plus shipping

73 de Dave K1EPJ

Date: Sat, 24 Jul 1999 20:02:28 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45950] 2N2/40 note
Message-ID: <000401bed630\$fbbb8f60\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, after an out-of-town business trip and some pleasant downtime sailing the Sea-Q with AA1MI and his YF, I finally got back to work on my evolving 2N2/40 rig.

NOTE: Resistor R44 is not shown on the pictorial in SEQ#7.

In any case, this afternoon I added the transmit LO and mixer, and the TX amplifier strip. I think I'll have just enough room on the second board for the driver and PA on my two-board rendition.

I also ripped out the back-to-back gating diode in the muting circuit and added the mute amplifier as per Jim's notes (but the sidetone's still a tad too loud for my taste). I guess I'll have to look at that circuit a little more closely. Has anyone tinkered successfully with it yet?

I fired up the TX mixer and amplifier after wiring it into the T/R switch. The TX mixer output keying sounded really clean on my station receiver today during the tests. I can't wait to build-up the PA!

The receiver section is very sensitive too. I am already copying DX on 40 meters, although I hear a slight low-level occasional noise in the background--sorta like some parasitic oscillation that's just on the verge of instability.

To cure it, I tried installing a shield between the two receiver IF transformers. The shield I installed is simply a scrap of PC board stock with a hole drilled in it to pass the signal via a small wire. It's soldered down to the substrate at right angles to the board and stands a bit higher than the crystal cans; it's positioned between the two toroids.

I'll have to evaluate how that works (it seemed to help, but I may have an IF that's too hot). Perhaps I'll add some more bypassing and Vcc filtering here and there and see if that helps. Does anyone have any thoughts on this?

I used the single-diode method to provide stable base bias voltage to the IF amp xstr.

Also, has anyone thought about adding AGC to the IF? To the RF? Both? Audio derived?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

Date: Sat, 24 Jul 1999 20:10:13 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45951] RE: Q-dope substitute?? - preliminary test results
Message-ID: <000601bed632\$1149a320\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gravity wave shop, Jim? Are you serious? Can you tell the group more about that?

My understanding is that gravity waves, if they exist, travel many times the speed of light. My friend Jon wanted to build a gravity wave detector and see if he could predict solar flares by 9 minutes.

Watsa?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> n5ib@juno.com
> Sent: Friday, July 23, 1999 9:46 PM
> To: Low Power Amateur Radio Discussion
> Subject: Q-dope substitute?? - preliminary test results
>
>
> Seek and ye shall find...ask, and ye shall receive. An off-hand inquiry
> to one of my colleagues in the department revealed the presence of an HP
> 4192A Impedance Analyzer down in the gravity wave observatory. Its a big
> sucker... not "QRP" by any stretch, except maybe that its portable
> i.e. it has two handles.
>

> I wound 35 turns of #26 on a T50-2 and measured it at L = 6.482 uH, Q =
> 204, at 10 MHz
>
> gooped it up with "Plasti Dip" and let it air dry for 30 minutes...
>
> L = 6.686 uH, Q = 35 (!!)
>
> allowed it to cure for about four hours (ambient air)
>
> L = 6.555 uH, Q = 140
>
> I will allow it the whole weekend to fully cure then measure again. But
> it looks like it will be pretty lossy.
>
> The nice part is I've found this great instrument and have a standing
> invitation to come down to the gravity wave shop and use it. I sense the
> possibility of some neat and fun "research projects" and would happily
> collaborate with someone who has a good idea to investigate.
>
> 72
> Jim N5IB
>
> -----
> Get the Internet just the way you want it.
> Free software, free e-mail, and free Internet access for a month!
> Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>

Date: Sat, 24 Jul 1999 20:18:57 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@lehigh.edu
Subject: [45952] Slow CW NET
Message-ID: <4.1.19990724201706.00a68980@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Say, anybody know the frequency and sked of the slow cw net?

Many thanks.

Rick - W4SEA
High Point, NC

Date: Sat, 24 Jul 1999 20:43:56 -0400 (AST)
From: Pablo Luis Robles <wp4jxd@isla.net>
To: QRP MAILING LIST <qrp-l@Lehigh.EDU>
Subject: [45953] IOTA
Message-ID: <Pine.LNX.4.04.9907242041210.1370-1000000@pentagon>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi fellows:

I am anxious to get into the IOTA contest and do some QRP DX. But I don't know what IOTA Puerto Rico is. Does anyone has the RSGB IOTA directory and can tell me what IOTA am I in? Thanks!

Best Regards,

Pablo L. Robles
BOX 3063
Yauco, PR 00698

WP4JXD RADIO PAGE <http://www.geocities.com/capecanaveral/hangar/3613/>

"Every man has the key to open the doors of heaven...
that same key opens the gates of hell!" Richard P. Feynman

Date: Sat, 24 Jul 1999 20:45:15 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: ai2q@ispchannel.com
Cc: qrp-l@lehigh.edu
Subject: [45954] Re: 2N2/40 note
Message-ID: <3.0.1.32.19990724204515.00750e08@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 08:02 PM 7/24/99 -0400, Alex, AI2Q wrote:
>Well, after an out-of-town business trip and some pleasant downtime sailing
>the Sea-Q with AA1MI and his YF, I finally got back to work on my evolving
>2N2/40 rig.
>
>NOTE: Resistor R44 is not shown on the pictorial in SEQ#7.
000ps again. That is a very important resistor, as it keeps the

Lo signal off the power supply. Without it, Vcc has some of the Lo on it. Not a desirable situation.

Thanks for spotting this one Alex. You're the first.

>

>I also ripped out the back-to-back gating diode in the muting circuit and
>added the mute amplifier as per Jim's notes (but the sidetone's still a tad
>too loud for my taste). I guess I'll have to look at that circuit a little
>more closely. Has anyone tinkered successfully with it yet?

I'm also looking at another design Alex. Hard to do with a 2N2222,
but simple with a FET. Collectively this group will come up with
an elegant solution I'll bet.

>

>Also, has anyone thought about adding AGC to the IF? To the RF? Both? Audio
>derived?

Yes, but no circuitry yet. Probably audio derived and fed to both
the i.f. and the r.f. amp.

Thanks for the informative post Alex.

72 and happy building.....Jim, K8IQY

Date: Sun, 25 Jul 1999 00:44:49 +0100
From: Larry Cahoon <wd3p@juno.com>
To: russ@natworld.com, qrp-l@Lehigh.EDU
Subject: [45955] BB #22 Tries for DE
Message-ID: <19990725.004509.3950.1.wd3p@juno.com>

Plans for WV fell through so BB #22 will try to head out for Lum's Pond
State Park in DE for the contest.

73 de Larry.....WD3P in MD

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Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 24 Jul 1999 20:54:05 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [45956] Sunday BumbleBee Contest

Message-ID: <003701bed638\$326d7760\$66e508cf@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello Everyone,

If you are going to play in the BumbleBee Contest tomorrow
and you hear me, give me a call.

I will be BB #15 on the Appalachian Trail near Hamburg, PA.
I should be on all the bands, which ever one is hot at the time.
Going to do a little Mountain Biking to the top.
I will be using my Ten Tec Argonaut 515 with a Killer Vertical.

Hope the bands are buzzing with activity.

72 & 73

Good DXing

Ron de WB3AAL

wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal #	Zombie #625
Bumblebee #15	

SETI @ Home Project

<http://setiathome.ssl.berkeley.edu>

Date: Sat, 24 Jul 1999 18:59:46 -0600

From: "Steve/n0tu" <n0tu@webaccess.net>

To: "QRP-L" <QRP-L@lehigh.edu>

Subject: [45957] Bee 28 heads for Mt Herman

Message-ID: <012c01bed639\$01849a60\$70a8a3cc@S&P.www.webaccess.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Gang,

This bee is loaded w/his Sierra, battery and 40' twinlead/HB-ZM2 +
600' of #17 aluminum wire for a "stinger" & hope to launch a venomous
signal on 15/20/40 from 9200' ALS CUL TU & 72/73
...Steve/n0tu-Monument,CO

Date: Sat, 24 Jul 1999 21:17:06 -0700
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [45958] re: Gravity waves
Message-ID: <379A8FC2.2E50@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Professor Weber built a gravity wave detector at the University of
Maryland in the late 1950's. I understand he has some success in his
formidable experiments. A brilliant EE professor, he was also noted for
winning many sports car rallies in his Porsche in which he had installed
a pioneering portable electronic analog computer he had designed. Perhaps
a physics major on the list can shed more light on the problems ssociated
with detecting gravity waves. Are they electromagnetic waves similar to
radio signals? Maybe not a pure QRP topic but certainly an interesting
one.

-72 de Chas W3KC-

Date: Sat, 24 Jul 1999 19:09:26 +0100
From: waltk8cv@juno.com
To: qrp-l@lehigh.edu
Subject: [45959] NOT GETTING QRP-L MESSAGES!
Message-ID: <19990725.014746.-119013.7.waltk8cv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Qrpl'ers

I was with Ameritech (as an ISP) and Qrp-L just stopped and nobody could fix it! I think some SUBJECT was offensive to the mail server at Ameritech and it just BOOTED ME OUT . I quit and saved the money and all the messages roll in here on JUNO just fine. For FREE !!

Walt k8cv

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 24 Jul 1999 20:08:49 -0700
From: "Dennis B. Dolle" <dolledb@cet.com>
To: <qrp-l@lehigh.edu>
Subject: [45960] 2N3904 and 2N3906 Pinouts
Message-ID: <002601bed64b\$06ba0c60\$675a60ce@dolledb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow Masochists,
Just started working on the Desert Ratt and realized that I don't know the pinout of common plastic 2N3904 and 2N3906 transistors. Don't have a data book and the ARRL Handbook kindly mentions that data sheets are available from most suppliers. Can anybody help me out here? Many thanks in advance.

Dennis, K7YN
Spokane, WA

Date: Sat, 24 Jul 1999 23:32:47 -0400
From: david fouchey <dafouchey@home.com>
To: dolledb@cet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [45961] Re: 2N3904 and 2N3906 Pinouts
Message-ID: <379A855F.68FDAD45@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here ya go.

<http://www.fairchildsemi.com/ds/2N/2N3904.pdf>

<http://www.fairchildsemi.com/ds/2N/2N3906.pdf>

Dave WA4EMR/8

"Dennis B. Dolle" wrote:

>
> Fellow Masochists,
> Just started working on the Desert Ratt and realized that I don't know the
> pinout of common plastic 2N3904 and 2N3906 transistors. Don't have a data
> book and the ARRL Handbook kindly mentions that data sheets are available
> from most suppliers. Can anybody help me out here? Many thanks in advance.
>
> Dennis, K7YN
> Spokane, WA

Date: Sat, 24 Jul 1999 23:45:58 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [45962] Bumblebee #14 to Ft. Lincoln
Message-ID: <199907242347_MC2-7E38-5AB0@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Dear Gang:

BEE #14 will be buzzing from Ft. Lincoln, ND, tomorrow. This is on the west bank of the Missouri, between the twin cities of Mandan and Bismarck.

Ft. Lincoln was where General Custer lived for a time as Commanding General of the Seventh Cavalry. He led the Seventh from there to the Battle of the Little Bighorn in Montana. Quite a historic site.

I will be set up on the highest point of the fort, near where the original infantry unit was posted. Gives a clear field for 360 degrees, so hopefully the HB "L" wire vertical should do well. Planning to be on 20 most of the time, but will check 15 periodically. Rig

= Sierra with the German 5-watt mod, and an SST-20 at about 2 watts.

Anyway, please give a holler :-). Will gladly return the favour. Good luck one and all.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

70511.3041@compuserve.com

Date: Sun, 25 Jul 1999 00:02:30 -0400

From: "Alex Mendelsohn" <ai2q@ispchannel.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [45963] More ADSL

Message-ID: <000001bed652\$844c2e40\$5c32a7d0@mendelsohn.ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Perusing some sites recommended by members of the QRP list, I came across the following from British Telecomm with respect to ADSL:

--->>> Broadband multimedia delivery over copper" by Gavin Young, Kevin T. Foster & John W. Cook, Copper, Radio & Satellite Systems, BT Laboratories

"RFI is an important noise source for very high-rate transmission systems which occupy the same bands as amateur radio enthusiasts (1.8 to 30 MHz). This type of RFI is difficult to cancel adaptively because of the on-off nature of single sideband suppressed carrier transmission. The typical level of RFI induced in the band 5kHz to 1 MHz on an underground wire-pair delivering ordinary telephony is less than -90dBm/Hz.

1 (This is a shortened version of a paper originally published on pages 78 - 96 of the October 1995 issue of the BT Technology Journal. Readers should refer to the original paper for more detail on "copper" channel modelling and the implementation and application of ADSL and VDSL techniques.) <<<<<<<<-----

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

Date: Sun, 25 Jul 1999 04:05:37 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-1@lehigh.edu
Subject: [45964] QSLs from the Abyss
Message-ID: <3.0.16.19990725025725.37a7eb98@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If some of you Foxhunt QRPers receive a card from me
for a qso back in 1997, don't adjust your set. I found a mess
of unsent cards behind the operating desk today.

I also found two quarters, a penny, and an old green M&M.

Happy QRP(p),

tu de Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KB4NPI/KA8OKH Web <<http://www.qsl.net/ka8okh>>
"The deadly yellow snow from right there where the huskies go" - Zappa

Date: Sun, 25 Jul 1999 00:31:36 -0400
From: "John R. Klim II" <jrklm@pop.erols.com>
To: unlisted-recipients;; (no To-header on input)
Subject: [45965] GARC Special Event Station
Message-ID: <199907250428.AAA24580@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

During the Mission of STS-96, the Goddard Amateur Radio Club (GARC) is
sponsoring a special event. Contacts must be 2-way, SSB or CW, Simplex
only. Any current GARC member may add the suffix "/30" to their call to
commemorate the 30th anniversary of the Apollo 11 mission. A Special
8"x11" certificate will be created for this special event. Send a 8"x11"
SASE or 2 units of first class postage, if you do not want your certificate

folded, to the station you have contacted or to:

Goddard Amateur Radio Club, Inc.
WA3NAN
P.O. Box 86
Greenbelt, MD 20768-0086

I will be QRV on 2m, 6m, 10m, 15m, 40m, and 80m as much as possible during the rest of the mission. During the week I will be on after 19:00 UTC, work permitting. Sunday after 17:00 UTC.

CUL

John Klim

N3KHK/30

73

John R. Klim
N3KHK

E-MAIL Internet jrklim@erols.com

ARES P.G. County Maryland
RACES P.G. County Maryland

ARRL Life Member
AMSAT Life Member LM-2187
Fists 5015

10-X Life Member	68135	
Springbok Chapter	1874	
Chesapeake Bay Chapter	549	
Branding Iron Chapter	1610	Points = 703
Seals: Box C 1528		
Pirates of the Mississippi	377 HM	Points = 7,853
Seals: HK - 310, K - 287, 2K - 273, 3K - 262, 5K - 252		
Flying Tigers Chapter	193 V5	Points = 150
Seals: P12: 204P, P51: 608, P38: 609, P61: 610		

Date: Sun, 25 Jul 1999 01:14:01 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu

Subject: [45966] SSTV LISTENING ON 7.228 Mhz
Message-ID: <19990725.011512.-326703.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High gang

Well my monitoring of forty meters on 7.228 resulted in nothing heard...
the forty meter band has been terrible lately...

perhaps someone else has another idea?

I think it would be great to send pictures of our rigs, ants, whatever
around... I think a lot of you have some of the old qrp rigs that will do
the old 100w qrp... these should lend themselves to the computer sstv
programs... and they will work fine at qrp levels...

SSTV eliminates the need for a web site to post pictures for us all to
see... and will add a new dimension to ur qrp activities...not only is it
fun, it can be a very useful tool when sharing information...

The only major difference in sstv is that u do have to have a "certain
minimum" level of signal or the picture is very streaky... good
conditions, decent ant, will get u a long way with sstv... and I don't
think there are many WORKED ALL STATES QRP SSTV... u could be in a
history making situation...if u want to persue work all states or all
continents or dxcc on sstv qrp... probably have ur picture, and
accomplishment listed in the handbook under the sstv information...

ARE THERE ANY QRP ARCI SSTV AWARDS ????

could be some "firsts" here guys....

Joel KE1LA
In Maine

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 25 Jul 1999 01:21:35 EDT
From: Kb4utv@aol.com
To: qrp-l@lehigh.edu
Subject: [45967] Novice Alert 15 meters
Message-ID: <b49eb519.24cbf8df@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Attention Novices/Tech+, Hawaii is on 15 meters at 21.125. Just worked him from here in Az. John KB4UTV/&

Date: Sun, 25 Jul 1999 08:14:46 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [45968] Marking toroids & desoldering wick tip
Message-ID: <379AC776.390E@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I've never been very concerned with marking the windings on toroids but rather with marking the toroid material itself, so I don't need to worry / measure / guess later.

For this purpose I've gradually accumulated small cans of model builder's enamel paint in all colours of the colour code as used on resistors. When I buy a quantity of cores, I lay them out on a sheet of paper and mark the cores using a tooth-pick to apply the colours for the material code. So #43 material would have yellow and orange. I paint only on one side and read the code when it's towards me, so there shouldn't be any ambiguity of a core being #43 or #34, if such would exist. A tooth-pick doesn't need rinsing, so that's why I use it rather than a brush.

My other subject, soldering wick, refers to a trick I found to make the wick which I found in an old stash work FB. It was old and doesn't wick very well as it is, or perhaps it had never done so. Anyway, I have a small tin with solid colophonium - which is what is used in the core of 'radio' solder as a flux material.

I lay the tip of the wick on the colophonium surface and just lightly touch it with the hot soldering iron. This melts a little of the colophonium which sticks to the wick. Then I proceed as normal, wicking the solder from the PCB. The wick works great every time now.

My small tin of colophonium (20 gram) came from Conrad Electronic who have shops in many countries in Europe. Maybe somebody reading this message knows where to buy colophonium in the USA or Canada.

73,
--

Arjen Raateland
OH2ZAZ

SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sun, 25 Jul 1999 22:58:19 +1200
From: barry kirkwood <bjk@ihug.co.nz>
To: qrp-l@Lehigh.EDU
Subject: [45969] noise from telephone line
Message-ID: <199907251058.WAA07657@smtp2.ihug.co.nz>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry, I lost the original comment, but someone was commenting on rf hash from a telephone line junction box.

My Panasonic fax/telephone/answer machine puts out quite strong hash from LF thru upper HF. Transmitted thru the line out of the thing. Does not respond to simple fixes, e.g. passing cord thru toroid.

Suggest one checks the house or neighbours for source of hash. The phone line is perhaps acting as an antenna for local QRN.

73 es gl
Baz ZL1DD
end
Barry (Baz) Kirkwood PhD ZL1DD ex ZL1BN, ZL40K etc
Signal Hill
66 Cory Road
Palm Beach
Waiheke Island 1240
NEW ZEALAND
www.waiheke.co.nz/signal.htm
Ph/Fax 64-9-372-5161

Date: Sun, 25 Jul 1999 08:06:18 EDT
From: Wb4jjj@aol.com
To: QRP-L@lehigh.edu

Subject: [45970] One State to Go!
Message-ID: <f3336c31.24cc57ba@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I need one last state for my WAS...and have worked it countless times but can't get a QSL card...and no, it isn't Hawaii, Alaska, Delaware or Wyoming. I've worked and confirmed those rarities many times.

Like Dorothy, I need Kansas!

Can't get a card outta those guys. Anyone on the list wanta help me with a sched? I can get up to a full 5 watts on a good day, if I try.

Alan A. Wheeler, WB4JJJ
Fairfax, Virginia

Date: Sun, 25 Jul 1999 08:18:44 EDT
From: Wb4jjj@aol.com
To: QRP-L@lehigh.edu
Subject: [45971] Poor Man's Paddles
Message-ID: <1ac19fb0.24cc5aa4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I just finished up a set of N9JXY's Poor Man's Paddles from the July issue of QST magazine. I ordered the kit that Denny Payton, N9JXY, offered for \$2.00 and an SASE, and built my paddles from that. These are not Mercury paddles, but send the same code,, I'm sure.

I figured that Denny would send me a pair of microswitches and a small piece of double sided board (the prime ingredients for the paddles). But no...he sent the screws and nuts, wire, switches, board, stick-on patterns, rubber feet, and foam tape...the whole shebang. I supplied the Altoids box and weights (Denny used rolls of pennies, I used cheaper stuff). With the kit was a set of supplemental (and helpful) instructions)

I used a bandsaw to saw out the circuit board material parts, but 12" tin snips work just as well. 150 grit sandpaper glued to a block of wood was used to smooth the edges. A stone in a Dremel tool formed the recesses for the screwheads, etc. I used a discarded dental burr in the same Dremel to form the pads for the microswitches. A round file and a piece of hacksaw

blade can easily substitute for the power tool. And, I substituted 3M plastic tape in blue for the masking tape (yeah, Denny sent the masking tape, too!).

I started about 9 am, and had finished, on the air paddles by 3...and I took time off for lunch and an additional hour for other things. What I ended up with was a first-rate set of paddles, in a heavy weighted base. Following Denny's supplemental instructions, I set the things up so the switches are pushed in beyond the click, so operation is smooth and silent.

This list is full of cheapskates...and I am surprised that more of us haven't built these.

Denny said in a note that he hasn't had a lotta reaction to these.

I'm going to get a second kit before the price goes up.

Alan A. Wheeler, WB4JJJ
Fairfax, Virginia

I built the

Date: Sun, 25 Jul 1999 08:38:05 -0400
From: "curt" <k3ivb@stargate.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45972] RE: FS ITEMS
Message-ID: <001601bed69a\$8bd43340\$55b8a6d1@Curtk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I could of sold the watt meter 20 times! Interesting though, makes me believe most people don't want to build, but rather wait till one all together, up and running is for sale. I know, I know, not enough time:-) Well I just can't swallow that one being I work full time too and take care of my disabled wife, clean, cook, on and on.....72 everyone and thanks for BIG response on the WM-2!!! curt

Date: Sun, 25 Jul 1999 05:44:24 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>

To: qrp-1@LeHigh.edu
Subject: [45973] Bee #30 in flight
Message-ID: <3.0.5.32.19990725054424.009b6d40@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,
I'll be leaving shortly to hike to my alternate site north of Flagstaff, Arizona. My primary site was on a 10,000 foot peak- not a good idea in view of the forecast for thunderstorms!

I'll be running my newly constructed K2 into a 270 foot horizontal loop.

72 and g1

Bruce, N7CEE
DM45ee
Flagstaff, Arizona USA
bog@flagstaff.az.us

Date: Sun, 25 Jul 1999 08:54:55 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <Arjen.Raateland@vyh.fi>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [45974] RE: Marking toroids & desoldering wick tip
Message-ID: <000201bed69c\$e4dec700\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the tips Arjen.

I don't mark my windings either, except with small paper tags after a winding-to-winding shorts test. One by one the tags come off as the wires are soldered down. Works great.

Now, does anyone have any good ideas for homebrew heatsinks for the 2N2/40's PA XSTRs? Years ago i used some wire lugs, but there must be some clever approach one of the list members has that's more elegant--or do I have to pester my contacts at Aavid?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Arjen Raateland
> Sent: Sunday, July 25, 1999 4:15 AM
> To: Low Power Amateur Radio Discussion
> Subject: Marking toroids & desoldering wick tip
>
>
> Gang,
>
> I've never been very concerned with marking the windings on toroids but
> rather with marking the toroid material itself, so I don't need to worry
> / measure / guess later.
>
> For this purpose I've gradually accumulated small cans of model
> builder's enamel paint in all colours of the colour code as used on
> resistors. When I buy a quantity of cores, I lay them out on a sheet of
> paper and mark the cores using a tooth-pick to apply the colours for the
> material code. So #43 material would have yellow and orange. I paint
> only on one side and read the code when it's towards me, so there
> shouldn't be any ambiguity of a core being #43 or #34, if such would
> exist. A tooth-pick doesn't need rinsing, so that's why I use it rather
> than a brush.
>
> My other subject, soldering wick, refers to a trick I found to make the
> wick which I found in an old stash work FB. It was old and doesn't wick
> very well as it is, or perhaps it had never done so. Anyway, I have a
> small tin with solid colophonium - which is what is used in the core of
> 'radio' solder as a flux material.
>
> I lay the tip of the wick on the colophonium surface and just lightly
> touch it with the hot soldering iron. This melts a little of the
> colophonium which sticks to the wick. Then I proceed as normal, wicking
> the solder from the PCB. The wick works great every time now.
>
> My small tin of colophonium (20 gram) came from Conrad Electronic who
> have shops in many countries in Europe. Maybe somebody reading this
> message knows where to buy colophonium in the USA or Canada.
>
> 73,
> --
> Arjen Raateland
> OH2ZAZ
>
>
> SAS Support
> Finnish Environment Institute, Helsinki

>
> AX.25: OH2ZAZ@OH2RBI.FIN.EU
>
>

Date: Sun, 25 Jul 1999 13:21:59 +0000
From: "Bill Long" <wlong@wmdc.edu>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [45975] Re: Gravity waves
Message-ID: <199907251317.JAA13640@ns1.wmdc.edu>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Sure!
It's what happens when you don't pay your gravity bill. The Gravco corporation sends fluctuations your direction... to make you stumble a bit. Just their way of reminding you to get the check in the mail!

They can get away with this because they've had a monopoly on the gravity business for millions of years, with powerful lobbyists in congress.

72, Bill NY3M

>From: Charles Kadesch <chas@digizen.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: re: Gravity waves
>Date: Sun, Jul 25, 1999, 04:17
>

> Professor Weber built a gravity wave detector at the University of
> Maryland in the late 1950's. I understand he has some success in his
> formidable experiments. A brilliant EE professor, he was also noted for
> winning many sports car rallies in his Porsche in which he had installed
> a pioneering portable electronic analog computer he had designed. Perhaps
> a physics major on the list can shed more light on the problems ssociated
> with detecting gravity waves. Are they electromagnetic waves similar to
> radio signals? Maybe not a pure QRP topic but certainly an interesting
> one.
> -72 de Chas W3KC-
>

Date: Sun, 25 Jul 1999 09:35:40 -0400
From: "Joe Hussey" <jhussey@ee.net>
To: "qrp-l Low Power Discussion" <qrp-l@Lehigh.EDU>
Subject: [45976] Re: Q dope substitute
Message-ID: <199907251335.JAA10949@ee.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WA4VZQ addressed this subject on one of the news groups - I quote:

QUOTE

.....For a lower loss coil dope, get a small glass bottle and fill it 3/4 full of acetone. Stuff in as many styrofoam peanuts as it will hold. Then let it sit for a week or so for all the "fuzzballs" to dissolve. The resulting glue will have about as low an RF loss as is possible.

UNQUOTE

73s de Joe W8RIK

Date: Sun, 25 Jul 1999 09:47:57 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <QRP-L@lehigh.edu>
Subject: [45977] Fw: ARRL Simulation software
Message-ID: <008901bed6a4\$4ea26a00\$571005d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This newsgroup posting will give those interested in Spice simulation a good starting point.

73 de Vince, VE3VFN.

----- Original Message -----
From: Leland C. Scott <no-spam@junk-mail.net>
Newsgroups: rec.radio.amateur.homebrew
Sent: Sunday, July 25, 1999 3:22 AM
Subject: Re: ARRL Simulation software

> If you want to try out a "spice" type simulator then you may wish to check
> out some of the low cost circuit simulation packages out there at the
> following URLs:

>
> AIM-SPICE
> <http://www.aimspice.com/>
>
> B2 SPICE Version 2
> <http://www.beigebag.com/b2spice2.htm>
>
> SPICE-IT from CAD-Migos Software Tools
> <http://www.beigebag.com/b2spice2.htm>
>
> CircuitMaker from Microcode Engineering
> <http://www.microcode.com/>
>
> Electronics Workbench from Interactive Image Technologies
> <http://www.interactiv.com/>
>
> TopSPICE from Penzar Development
> <http://www.penzar.com/topspice.htm>
>
> SpiceAge for Windows from "Those Engineers"
> <http://www.spiceage.com/spiceage.htm#spiceage>
>
> TINA PRO from DesignSoft Inc.
> <http://www.tina.com/>

>
> -----
--

> For a good student (limited in circuit size) check out these
> URLs:

>
> FTP site for Microcap V version 2 from Spectrum Software
> Down load "demo.zip" Win95/98/NT program
> <http://www.spectrum-soft.com/down/>
>
> Full working evaluation version of ICAP/4 for Windows
> from Intusoft
> <http://www.intusoft.com/demos.htm>

>
> -----
--

> -
> Now if you want to try out some free spice circuit simulators
> then check out these URLs:

>

> FTP site with a copy of "spice3.exe"
> <ftp://ftp.demon.co.uk/pub/ibmpc/win95/apps/emulators>
>
> WinSpice3 for Windows (32 bit)
> <http://www.willingham2.freemove.co.uk/winspice.html>
>
> Chipmunk System
> <http://www.pcmp.caltech.edu/chipmunk/>
> There are about 12 different computer systems/OS supported
> including DOS/Win95 version on this site at:
> <http://www.pcmp.caltech.edu/chipmunk/pickup/platforms.html>
>
> -----
--
> For a free DOS based PCB layout program without any limits
> (i.e. not a demo but was FULL DOS version) check out
> Easytrax (DOS) freeware and DOS utilities on the Protel
> site:
> <http://www.protel.com/?tab=sales&page=sales/main.htm&menu=Java>
>
> Please note that "Easytrax" is the name of the software package before
> it was sold to Microcode Engineering (CircuitMaker). The package was
> rewritten to run under windows and is sold as "TraxMaker" from
> Microcode Engineering.
>
> -----
--
> ----
> You can also check out this URL to see if you find anything of
> interest. The web page has a collection of other CAD software
> you may wish to try.
>
> <http://www.engr.unl.edu/ee/eeshop/cad.html>
>
> This should give you a good idea about what is out there. I myself use
> the pro version of Microcap V at work, the DOS student version of
> Microcap IV and the full Pro version of CircuitMaker at home.
>
> 73's,
>
> Leland C. Scott
> KC8LDO
>
> ARRL member
> NCI member
>
> "You ask what Morse Code is good for? I'll tell you. Morse
> Code is used exclusively by Electronics Based life forms to

> communicate amongst themselves using advanced Organic
> Digital Signal Processors, running state of the art Artificial
> Intelligence Software, to perform the highly complex
> transmit encryption, receive decryption and error correction
> functions."
>
>

Date: Sat, 24 Jul 1999 00:47:44 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: ARDUJENSKI@aol.com, qrp-1@lehigh.edu
Subject: [45978] Re: ROTATABLE INVERTED HALF SQUARE
Message-ID: <37996190.2814569D@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Should work quite well - W7DND of Bremerton, Wa had a similar
system, with parasitic reflector and director sections set up
on a platform, which was on a large stump or post in the ground,
and was over the edge of the water of Puget Sound. It was
switchable
but the platform was also rotatable by pushing it around to the
desired direction. 4 elements on 40, 6 elements on 15. Written
up in 73 by Jerry Swank - W8HXR, in the late 70's. Don't have
the exact year since 73 saved ink and did not put month/year on
their
pages! good project - do keep the list posted on your progress.
73
Ray

--
"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sun, 25 Jul 1999 09:52:45 -0400
From: "John J. McDonough" <jjmcd@tm.net>

To: <ai2q@ispchannel.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [45979] Re: Marking toroids & desoldering wick tip
Message-ID: <001601bed6a4\$fb96d7a0\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Alex Mendelsohn <ai2q@ispchannel.com>

>Now, does anyone have any good ideas for homebrew heatsinks for the
2N2/40's
>PA XSTRs?

I sacrificed a QRP chassis (Altoids tin), cut it into strips with a tin
snips, and shaped the strips around a drill bit. Looks awful. If you check
my 2N2/40 page you can barely see them, edge on, in the crummy picture of
the completed board.

Then I ordered the real thing from DigiKey!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 25 Jul 1999 07:55:36 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: qrp-l@lehigh.edu
Subject: [45980] Re: Novice Alert 15 meters
Message-ID: <379B1758.A3C1125A@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Him Who?

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sun, 25 Jul 1999 09:53:49 EDT
From: PDouglas12@aol.com
To: ai2q@ispchannel.com
Cc: qrp-l@lehigh.edu
Subject: [45981] 2N2/40 heatsinks
Message-ID: <68566d08.24cc70ed@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Alex,
You don't need heat sinks, in my opinion. Running the three PA transistors at 1.5 watts is too high, and even with heat sinks, you are pushing them right to the edge of oblivion. The heat sinks just don't pull you far enough back from the edge of the cliff to be safe/reliable in my opinion. However, running down at 1.25 watts, they run relatively cool, and don't need sinks! I am cheating by running four parallel 2N2222 PLASTIC (!) transistors instead of three. I get a safe margin at about 1.3 watts, cool, with no heat sinks. In fact, I found the metal jobs were more prone to "pop" than the plastics for some reason. And they do pop when they blow (especially the plastic ones), like little tiny firecrackers! The legs can blow clean off an angry 2N2222A! But even when they blow silently (do you get the impression I have blown a few sets of finals?) the symptoms are obvious. Zero output. When one goes, it takes its brothers with it. I now have one set of "finals" in my 2N2 that have been reliable for maybe 50 contacts and show no signs of deterioration--running 4 at 1.3 watts.

Now Jim may disagree, and probably will. He is running a watt and a half with three metals and real heat sinks. And frankly, the cost of a blown set of finals may run as high as twenty-five cents, so maybe running at the edges isn't a big deal!

72,

Preston WJ2V

Date: Sun, 25 Jul 1999 10:04:33 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [45982] BB #15 Flight

Message-ID: <002e01bed6a6\$a1e04fa0\$3fe508cf@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello fellow BB,

Well due to the high heat and humidity this Bumblebee is forced to change my operating location. I will not be on the Appalachian Trail due to the Heat Index will be 105°F for our area.

At 9:45 AM the temperature is 89° in the shade and climbing. I will ride my bike to one of the local parks and setup there.

72 & 73

Good DXing

Ron de WB3AAL

wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv

http://www.kpsnet.com/wb3aal/Start_Page.htm

Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1

NJ QRP #179

KL7 QRP # 309

G-QRP # 3031

ARCI QRP # 5318

10 - X #13173

NorCal #

Zombie #625

Bumblebee #15

SETI @ Home Project

<http://setiathome.ssl.berkeley.edu>

Date: Sun, 25 Jul 1999 09:00:58 +0000

From: Tim Ahrens <tahrens@hilconet.com>

To: wlong@wmdc.edu

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [45983] Re: Gravity waves

Message-ID: <379AD24A.3F743F2C@hilconet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hmmm, I knew I really wasn't a klutz.. guess I need to start paying more attention to those bills when they come in.

cu

Tim W5FN

;-)

wonder if the net police are all at Ft. Tutt?

Bill Long wrote:

>
> Sure!
> It's what happens when you don't pay your gravity bill. The Gravco
> corporation sends fluctuations your direction... to make you stumble a bit.
> Just their way of reminding you to get the check in the mail!
>
> They can get away with this because they've had a monopoly on the gravity
> business for millions of years, with powerful lobbyists in congress.
>
> 72, Bill NY3M
>

Date: Sun, 25 Jul 1999 10:34:29 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [45984] Re: Rotatable half-square
Message-ID: <19990725.103430.-75971.4.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I also tried this scheme, but on VHF. I built a 2 meter Inverted Half-Square and an Inverted Bobtail, both current-fed with RG-8X.

The half-square was a bit of a mechanical nightmare, but it worked . The bobtail loaded fine, but didn't really show any gain or front-to-side ratio, and I gave up on that one. It was probably a case of the coax braid radiating as I had no decoupling. If I were to try it again, I would feed it with a sleeve balun (See the VHF Manual or most any Handbooks back into the 40's)...

I remember the 73 article, but gave away/lost those magazines aeons ago!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 25 Jul 1999 10:52:09 -0400
From: radioham@erols.com
To: qrp-l@lehigh.edu
Subject: [45985] QRP ARCI SSTV Awards
Message-ID: <3.0.6.32.19990725105209.007aa9e0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nope, Joel - no QRP ARCI SSTV awards of any type - in fact, for the 1000 mile per watts award, there are 55 AM awards, 9 FM awards and only 1 RTTY award. For WAS, the early records don't indicate mode, but after about 1980 or so, all awards are either CW, SSB or mixed. No mention of any other single mode awards.

Go for it - I know one of our list members has accomplished 1,000 miles per watt WAS at the milliwatt level and he will be getting a special award for that achievement - #1 in a whole new category.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
www.qrparci.org

Date: Sun, 25 Jul 1999 10:52:28 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [45986] QRP-L PROB (UPDATE)
Message-ID: <278a30a4.24cc7eac@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I contacted AOL and they had to reset my MAIL FLAG (what ever that is) before I received a set of multiple messages from them. They said if that does not resolve the problem they will have to look into their system set up.

Those with AOL having problems with reflector emails no all arriving you may want to contact AOL also. Hopefully this will resolve the problem.

Alan KB7MBI

Date: Sun, 25 Jul 1999 08:08:09 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [45987] Flagstaff, BB test
Message-ID: <379B1A49.246D@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang!

All I can say is that the Tuthill hamfest was a BLAST!! The AZ scQRPions put on a first class event! I enjoyed NA5N's talk on his receiver, and Chuck and Ron's talk on QRP contesting. Could not make all of the talks due to spending too much time at the QRP table. My special thanks to Bertie, the wife of Bob KI7MN. She always makes everyone feel so welcome. I got to see the Tuna Tin 2 rig, and it looked really neat. Did not get the time to operate it. Everyone was waiting for NN1G to make a show. When he finally did everyone jumped him for a new rig including myself. I bought 2 of them!! He was in shock I think as he sold out in less than 15 minutes! See you all next year, and I might even stay for the BBQ. I'll bring the hash browns!!

Will be on later for the BB test. Im BB # 109. Going to be a good day! BB test for a couple of hours and then start building my DSW-20!! QRP life is good!! 72 to all, and BIG THANKS to the AZ scQRPions! Fine job!

Tom WB5QYT...."Have spud will travel!"

PS: My apologize to those I shoved out of the way to get a DSW-20!

I have built a Small Wonder Labs 20m tcvr and am considering revamping it for 40m. Cn anyone give me the circuit changes needed please?
Thanks

Date: Thu, 22 Jul 99 03:35:11 PDT
From: "Robert Roach" <KE4Q0K@worldnet.att.net>
To: bjk@ihug.co.nz, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [45989] Re: noise from telephone line
Message-ID: <MAPI.Id.0016.004534514f4b20203030303030303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

```
> Sorry, I lost the original comment, but someone was commenting on rf =  
hash  
> from a telephone line junction box.  
>  
> My Panasonic fax/telephone/answer machine puts out quite strong hash =  
from LF  
> thru upper HF. Transmitted thru the line out of the thing. Does not res=  
pond
```

> to simple fixes, e.g. passing cord thru toroid.
>
> Suggest one checks the house or neighbours for source of hash. The phone
> line is perhaps acting as an antenna for local QRN.

Date: Sun, 25 Jul 1999 09:44:30 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [45990] Tuna Tin 2
Message-ID: <199907251542.JAA14660@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is there a kit out there for the TT2 as I have 2 Irish tobacco tins that I think it would fit into real nice and put a small receiver in the other tin
72 Cal KF7ET

Date: Sun, 25 Jul 1999 11:50:12 -0400
From: Bill Cotter <bcotter@pop.uky.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [45991] CQ, HR and QST magazines for sale or trade
Message-ID: <3.0.5.32.19990725115012.00a36100@pop.uky.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

I have a garage full of amateur radio, electronic and related magazines. Listed below are the full year volumes and price/condition information. I have priced them for outright sale without postage. Expect USPS 4th class book rate for: QST large to cost \$5 per single year, QST small \$4 per single year, and CQ \$3.40 per single year. Deliver confirmation service is \$.65 per package. I would prefer to trade issues and volumes with anyone over selling outright. See my needed/wanted list below.

I have not listed the individual issues (broken volumes) I have for sale CHEAP or trade. If you need issues to complete your partial volumes, replace poor quality issues or research boatanchor

articles, drop me a line. With reasonably priced priority mailers and book rate, you can fill out you collection or simply have some interesting reading on your hands.

Last, but not least, I have a Ham Radio Magazine Collection complete from April 1968 up to the last issue in June 1990. All are in Very Good to Excellent condition and each year is individually wrapped in a zip lock bags for protection. This set of 289 issues has taken over five years to locate all issues in acceptable condition, some years have been bought up to four times! This collection lacks the elusive March 1968 first edition to be entirely complete.

73 es tn timer Bill N4ALG

QST - FULL YEAR VOLUMES

98	EXCELLENT	\$4
97	EXCELLENT	\$4
93	EXCELLENT	\$4
92	EXCELLENT	\$4
91	EXCELLENT	\$4
86	VERY GOOD	\$5
85	VERY GOOD	\$5
85	VERY GOOD	\$5
75	VERY GOOD	\$5
74	VERY GOOD	\$5
73	VERY GOOD	\$5
72	GOOD	\$7
71	GOOD	\$7
71	GOOD	\$7
70	GOOD	\$7
70	GOOD	\$7
67	GOOD	\$7
51	GOOD	\$10
50	GOOD	\$10
49	GOOD	\$12

CQ - FULL YEAR VOLUMES

72	GOOD	\$5
69	GOOD	\$5
68	GOOD	\$5
67	GOOD	\$5
66	GOOD	\$5

65	GOOD	\$5	
65	VERY GOOD	\$6	
64	GOOD	\$5	
63	GOOD	\$5	
59	GOOD		\$7
59	VERY GOOD	\$8	
58	GOOD	\$7	
58	VERY GOOD	\$8	
57	GOOD	\$7	
57	VERY GOOD	\$8	
56	GOOD	\$8	
55	GOOD	\$10	
54	GOOD	\$8	
54	VERY GOOD	\$10	
53	GOOD	\$8	
53	VERY GOOD	\$10	
52	GOOD	\$12	
51	GOOD	\$10	
51	VERY GOOD	\$12	
50	VERY GOOD	\$12	
49	GOOD	\$14	

WANTED - Trade or Buy

Electric Radio #92 (DEC 96) up and #1-68 (Jan 95)

Radio magazine any issues or volumes

Communications Quarterly winter 96 and earlier

QRP Quarterly issues or volumes

QRPP issues or volumes

QEX issues or volumes

QST:

26 9

25 1, 5, 8, 9

24 1,2,3,4,5, 7,8, 12

23 1,2,3,4,5,6,7, 10,11,12

22 1,2,3,4,5,6,7,8,9, 12

21 1, 4,5,6,7, 9,10,11,12

CQ:

47 1

46 1,2, 6

45 2, 4,5,6,7, 10,11,12

Bill Cotter, N4ALG E-mail: bcotter@pop.uky.edu
173 Carolyn Lane Home: (606) 887-5563,2402
Nicholasville, KY 40356-9340 Work: (606) 323-6474

ARRL ARCI #9878 QRP1 #1646 QCWA #29393 FISTS #4535

Date: Sun, 25 Jul 1999 11:57:02 -0400
From: "The One and Only!" <mitch96@pobox.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [45992] items for sale
Message-ID: <379B33CE.DEF656A7@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Did you ever have one of those weekends.....
needless to say there are still items for sale,,
nc 20 kit not built 95bucks
nc 40a rev b kit not built 120 bucks, includes cal tec study book
island keyer kit not built 20 bucks
yaesu 301s qrp rig
20watt version of the 100 watt 301 x1nt condition 325 bucks
original box and manual.
vibroplex vibrokeyer, side swiper 100 bucks
zm2 and bencher are sold.
sorry if you e mailed me about some items, changed computers today and
lost some information (almost as bad as a hard drive crash)

thanks
73/72 mitch ww4ml

Date: Sun, 25 Jul 1999 12:45:59 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [45993] Heathkit test gear - needs a good home
Message-ID: <19990725.103721.4775.0.N5IB@juno.com>

Doing some workshop cleaning the following are FREE to a good and
loving home - OK, not quite free - you pay the postage... shouldn't
exceed 10 bucks for even the biggest item (VOM)

Heathkit IM-25 Solid State (analog) VOM w/manual

Heathkit IT-28 "Magic Eye" type Capacitor Checker w/manual

Collins mechanical filter marked as follows:

F 250 A 67

12 V 2

526 9039 009

5915 552 9598

don't ask me how to interpret those ... haven't a clue

homebrew dual-tracking (adjustable ratio) power supply - 0 to +/- 15 V at
about 100 to 150 mA

any takers

72

Jim N5IB

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 25 Jul 1999 11:35:37 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>

Subject: [45994] Glacier Report (Part 5)

Message-ID: <Pine.LNX.3.95.990725110457.5708A-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

....isn't it interesting that walking from one spot to another spot can
either be a "bother" or it can be "not a problem" and takes no
time at all?....walking to one flea market tail gate after another always
seems to fall into the latter category....HI HI....ever notice that most
hams ordinarily have that "eyes half shut" look but when flea market
junque appears the "radar, sonar eyes-wide-open condition" automatically
intitiates?....Earl & I poured over the goodies lying on 4 picnic tables
as well as underneath them on the ground....that one person could
accumulate all this equipment during his ham career was something to
behold....looking at all the rigs, test gear, odds and ends, power
supplies, tubes took one on a quickie tour of the history of ham radio
right there at no extra cost...and this wasn't even the Dayton flea

market!...as several people were unloading everything from the truck, amateurs were descending on the growing pile faster than it could be transferred to the waiting tables....small piles of "claimed" goodies were springing up as if by magic and nothing had even been priced yet!...one of the comments I heard from the feeding frenzy was "I'll buy it; what is it?"....I looked over at Earl to make a comment but the glazed look in his eyes told me communication was impossible at that point in time...I took a position quickly between Earl and the junque to tell him that I was going over to Syl's (VE5YK) trailer....Earl looked at me as the seconds ticked by....then he said "OK,..... I'll meet you there.".....as I walked away I wondered if our meeting would be later in the day?...or maybe the next day?...to myself I said "Behold, the power of flea markets."....I smiled and thought "I know, because I am a "bitten" one."...I know that one day I'm going to have to stand up in front of the world and declare "My name is Bruce and I'm an amateur radioholic!"

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Sun, 25 Jul 1999 18:47:54 -0700
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [45995] Re: RS antenna insulator closeout
Message-ID: <E118TGY-0001pB-00@relay4.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How about using the plastic can holders from a 4 or 6 pack?

These make excellent end insulators and I've even used one for a centre insulator.

What do you do with the 4 pack or 6 pack of beer? Well, parcel it up and post it to me. I'll dispose of the contents and recycle the cans.

Cheers - Dave (G0DJA)

Date: Sun, 25 Jul 1999 18:47:56 -0700
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu, qrp-canada@lists.gpfn.sk.ca
Subject: [45996] VHF/UHF Activity

Message-ID: <E118TGa-0001pB-00@relay4.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here's a message that I have just sent to the GQRP-L list, and intend to send to the GQRP Club VHF Manager for consideration for inclusion in a future issue of SPRAT. It should be self explanatory, but email me if you want further details.

- de Dave (G0DJJA)

OK, after consideration I have decided that the only way to allow VHF access to the various QRP activity days and contests is not to ask the organisers to recognise VHF or UHF contacts, but to say that I will collect such input myself, and score it accordingly.

So, here's my suggestion:-

Enter any of the advertised QRP contests or activity periods, whether they allow VHF/UHF entries or not, follow the rules (other than the restriction on HF bands only) and send me your results.

If you have some HF contacts which you wish to enter the 'official' contest/activity period with, then either send a separate entry to the 'official' organisers or indicate to me the parts which comply with the 'official' rules and tell me where to send it and I will forward it as I receive it. (If taking this option, bear in mind that you must format it in accordance with the 'rules' as I will pass it on in its 'as received' format, and will not check it for its suitability for the 'official' rules!)

I will then score the VHF part as closely as I can to the 'official' rules and release a VHF/UHF standing for that activity period or contest.

If enough send combined scores with HF and VHF, I will attempt to show the relative positions of HF verses VHF activity. Although, it will be necessary to say that the scores will be my own interpretation, not the 'official' organisers version.

Why have I done this? Well, those with long memories will remember my campaign to allow VHF/UHF entries to QRP activity periods and contents and my singular lack of success in getting the organisers of the clubs contests/activities to even allow VHF/UHF contacts to count. The main argument seemed to be lack of time to incorporate the 'hundreds' of entries, or the assertion that 'no-one' would enter.

So, if no-one enters, my life is made very simple and I have nothing to do. If lots of people enter, the 'official' organisers do not have to worry about all the VHF/UHF entrants as I will sort those myself. Another

advantage is that no one has to give up another day to a VHF/UHF activity/contest as they can incorporate them into all of the existing dates.

However, it does allow the VHF/UHF QRP enthusiasts to take part in all the QRP Contests and activity periods and see their efforts written up in a results table.

I shall be forwarding my suggestions to the VHF Manager for consideration for inclusion in SPRAT. If other QRP organisations would like to include my offer in their publications, please feel free to do so. My address is available on request (beware of old callbooks, I moved house two years ago, and not all have my correct address).

Regards - Dave (G0DJA)

Date: Sun, 25 Jul 1999 15:09:25 EDT
From: K4NK@aol.com
To: qrp-1@lehigh.edu
Subject: [45997] swap?
Message-ID: <a1a822be.24ccbae5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang;

I have a near mint Icom 728 HF xcvr with the fl-100 cw filter that is worth about \$600 or more. I would entertain a trade for QRP equipment of equal value. Thank You.

73 Les K4NK

Date: Sun, 25 Jul 1999 14:38:37 -0500
From: Kenneth R Wezeman <n9qil@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [45998] Re: Poor Man's Paddles
Message-ID: <19990725.144328.-171835.0.N9QIL@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I built a set of these too. I also was surprised that Denny sent everything I needed but the box, weights, and cable. The paddles work. I'm pleased.

Ken Wezeman, N9QIL - Mishawaka, IN
QRP ARCI #8191; QRP-L #1416; AK QRP #379

>This list is full of cheapskates...and I am surprised that more of us
>haven't
>built these.
>Denny said in a note that he hasn't had a lotta reaction to these.
>
>

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Date: Sun, 25 Jul 1999 21:14:37 +0100
From: "Ted Williams" <tedw@btinternet.com>
To: "QRP-L" <qrp-l@lehigh.edu>, "Jerry W. O'Dell" <jwodel@ameritech.net>
Subject: [45999] Re: Q dope substitute
Message-ID: <001c01bed6db\$0ad585a0\$05298cd4@btinternet>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jerry:

My acetone won't dissolve polystyrene packaging. It just turns it into a pasty mess floating in acetone.

What sort are you using?

What's 'duco'? We don't seem to have that over here?

Thanks for your interest, Ted G0ULL

Date: Sun, 25 Jul 1999 15:38:20 -0500

From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [46000] 400 cycle xtal filter
Message-ID: <19990725.153823.6766.0.k5ubs@juno.com>

F.S.

This last weekend at Ham Holidays in Ok. City I picked up what I was told was a 400 Hz filter for Knwd 830s. Think fellow I bought it from said got it from someone else and was told that what it was. Soon as got home pulled cover off the ol' 830 and lo and behold its NOT for the 830. Don't know what its for. I'll let it go for a reasonable amount as have no idea what its worth, paid 30.00. It is in original box (at least numbers match).

Here is numbers: Model YF-88h400 Freq. 8830.7 KHz No. 3539. Mfd by Fox-Tango Corp

Guess thats what I get for not knowing my rig very well.....

I will package it good and pay postage in U.S.

If interested respond to :

k5ubs@juno.com. I check my e-mail couple times a day.

72

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

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Date: Sun, 25 Jul 1999 16:18:06 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <k5ubs@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46001] Re: 400 cycle xtal filter
Message-ID: <000801bed6e3\$314cf580\$7637a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oscar,

According to International Radio (formally Fox-Tango), the YF-88h400 is for your radio. It looks like the seller told you the truth. You might want to investigate further. Check out the following Web page and look up your radio for the filter specs:

<http://www.qth.com/inrad/>

Fox-Tango made better than original crystal filter replacements for various manufactures.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Sun, 25 Jul 1999 16:21:33 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46002] FoBB Summary
Message-ID: <379B7FDC.10A049CE@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Neighbors,

Once again, the ARS has sponsored a fun fun event! Thanks to all the bees out there for your efforts! I'm going to try to be a bee myself next year. Here's my summary:

Q's: 39
40: 4
20: 31
15: 4

Bees: 25

Score: 5550

Did 40m sound odd to anyone else? Signals were distorted here in IL.
Pretty weird :)

72/3,

Jay - WT9S

Date: Sun, 25 Jul 1999 16:37:54 -0500
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [46005] re: 400 cycle xtal filter
Message-ID: <19990725.163756.6766.2.k5ubs@juno.com>

WOW,
got a lot of responce.....
guess I'll keep it and check out further, I just looked at the boards and
didn't see where it went looked like something of different size went on
board
will keep it now
tnx for the responce guys.
further research is in order on my part, like get the service manual
out!!!!.

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

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Date: Sun, 25 Jul 1999 17:55:35 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [46006] Re: 400 cycle xtal filter
Message-ID: <379B87D7.7A89F37A@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Makes a good HW-9 filter after you patch it in.

Some aftermarket filters need to be patched
into rigs--they are too big to "drop-in." The catalogs
tell you this if you buy them new. Zack W1VT

Date: Mon, 26 Jul 1999 07:12:51 +0900
From: amr@ma.newweb.ne.jp

To: qrp-l@Lehigh.EDU
Subject: [46007] Re: Poor Man's Paddles
Message-ID: <19990726071268amr@ma.newweb.ne.jp>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I made this, too. I like a feeling of the click of the switch of this paddle.
I wanted to reproduce perfect replica of the paddle of Dennis.
Therefore, I ordered rolls of pennies to Dennis, too. Hi
The Japanese ham of at least 22 people will use this paddle.

There is a photograph here.

<http://www.mars.dti.ne.jp/~je2cdc/pmp.html>
<http://www.mars.dti.ne.jp/~je2cdc/pmpm.jpg>

Yasuo Itoh (Nagoya, Japan)
Call: JN2AMR
QRP-L: #991
amr@ma.newweb.ne.jp

Date: Sun, 25 Jul 1999 18:11:10 -0400 (EDT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Cc: Russ Carpenter Adventure Radio Society <russ@natworld.com>
Subject: [46008] FLIGHT OF THE BUMBLEBEES
Message-ID: <19990725221110.3894.rocketmail@web218.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello Bees and Bee'ettes - -

Just got back and unpacked from another great Flight of the Bumblebees.
Couldn't have had more fun. As in the past two years, I operated from
the banks of Lewisville Lake in North Texas, from Sycamore Bend Park.
Wonderful weather (for North Texas this time of year anyway), as it
only got up to 97F during the contest.

Equipment included Sierra, SLV w/W6MMA coil, MFJ-971 tuner, CMOS Super Keyer III and Brown Brothers paddles.

I spent all my time on 20 Meters, between about 14057 and 14063. Worked several guys above 62 dodging the digital dweebs. Ended up with a total of 47 Q's. Worked several west coast stations, including W7EL/AA7QU in Oregon. East coast was a bit slimmer, though. No New York, New Jersey, Massachusetts, etc. No Florida, Georgia, Alabama, either. Did work several Tennessee, and North and South Carolina stations though. Utah was active, and good to work Montana, Wyoming, and North Dakota (Doc, K0EVZ).

I sure seemed to hear a lot of stations that weren't zero beating. Wasn't a huge deal, but guess we all need to check our transmit offset a little more often.

All in all, a great contest. I'll certainly be back next year, again.

Brad, W5CGH

BB # 6

===

Brad Bradfield, PE

W5CGH (ex WB0CGH)

Systems Engineer

Raytheon Systems Company

Real men talk with their fingers!!

NORTEX QRP-L #377 QRP-ARCI SMIRK #4906

ARS #72 NORCAL Austin QRP Club #e

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 25 Jul 1999 18:18:07 -0400 (EDT)

From: Brad Bradfield <b_bradfield@yahoo.com>

To: qrp-l@lehigh.edu

Subject: [46009] FLIGHT OF THE BUMBLEBEES (AGAIN)

Message-ID: <19990725221807.18512.rocketmail@web213.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

OBTW, I only ran one Watt from the Sierra.

Brad, W5CGH

BB # 6

===

Brad Bradfield, PE Systems Engineer
W5CGH (ex WB0CGH) Raytheon Systems Company

Real men talk with their fingers!!

NORTEX QRP-L #377 QRP-ARCI SMIRK #4906
ARS #72 NORCAL Austin QRP Club #e

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 25 Jul 1999 18:23:03 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [46010] BB #14 Summary
Message-ID: <199907251825_MC2-7E43-B28A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Well I was able to operate only 2 hours and 24 minutes, due to other commitments. Managed 82 QSO's, 37 of them bumblebees. Heard other callers, but just could not dig you out of the QRM and occasional QSB. Nuts.

Decided to stay on 20, as it was pretty well wide open. Checked 15 a couple of times, but did not hear much.

Setup = Sierra at 5 watts (German amp) to a HB "L"-shaped vertical taped to the SD-20 pole with a single counterpoise held 4 feet off the ground. QTH was Ft. Lincoln, ND. Power was from 2 lead acid batteries designed for lawn tractors.

Many thanks to everyone for dropping by. Made this old man's afternoon :-).

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
70511.3041@compuserve.com

Date: Sun, 25 Jul 1999 18:27:15 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@lehigh.edu
Subject: [46011] Slow CW Net
Message-ID: <4.1.19990725180304.00a7c3c0@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Gang, of low power and high character:

I posed the question about on-the-air Slow CW as there are several in a local radio club that are either new to Ham Radio or new to CW! I suggested to them that some live CW participation would positively augment their regular course of practice.

To my post I received several responses and an inquiry, privately, as to what I found out. Here's the scoop ...

There are several FISTS slow CW Nets/Groups:
- Slow Traffic Net on Tuesdays & Thursdays at 9:00 PM EST on 3.682
- Slow Ragchew Group: Wednesdays (W8BI) 8:00 PM EST on 3.720
- Slo-Chat Group (Not a Net) on Sundays at 1700z-2300z on 21.158
Hope this is what you were after -
73 De Denny AD6EZ <><

Here in Texas there is a Net on 3719 KHZ at 8pm with Carolyn KC50ZT.
internet address: lsic.net/net/dfwnet.html for more information
Try your luck from there
Paul Smith
KD5DB0

(... and Mike suggests:)
<http://www.fists.org/activity.html>
73 de Mike, N9BOR
FISTS NR 4594

I normally don't repost private email but I'm sure in this case it would be OK with everyone to forward it along to the group, as others may be interested.

My sincerest appreciation to Denny-AD6EZ, Paul-KD5DB0, and Mike-N9BOR for the information.

Best 72 to everybody,
Rick - W4SEA
High Point, NC

Date: Sun, 25 Jul 1999 19:49:30 -0400 (EDT)
From: Duane Alles <w9zm@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [46012] QST article on DX antenna
Message-ID: <19990725234930.23587.rocketmail@web505.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All,
Does anyone have the specs on the killer dx antenna article a few months back in qst? It was an elevated ground plane fed with 450 ladder line.

Thanks in advance.
72,
Duane, w9zm

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 25 Jul 1999 20:04:58 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: PDouglas12@aol.com
Cc: qrp-1@lehigh.edu
Subject: [46013] Re: 2N2/40 heatsinks
Message-ID: <3.0.1.32.19990725200458.007568b8@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 09:53 AM 7/25/99 -0400, Preston, WJ2V wrote:

>Now Jim may disagree, and probably will. He is running a watt and a half
>with three metals and real heat sinks. And frankly, the cost of a blown set
>of finals may run as high as twenty-five cents, so maybe running at the
edges

>isn't a big deal!

>

Well yes and no. I am running 3 metal 2N2222A's with heat sinks, and have the output set for 2 watts currently. I think that 3 units will reliably run at 2.5 watts, as I ran a set that high for several months, until I tried to load up a non-existent antenna, and popped them in a few tenths of a second. Not much error margin when you're running at 2.5 to 3 watts, but they will go that far.

The conservative approach is to run at 1.5 watts, i.e. 0.5 watts per 2N2222, and they will then take some abuse without going "bang". And they do go "bang" under the right conditions.

72 and happy building, if you're not popping finals.....Jim, K8IQY

Date: Sun, 25 Jul 1999 20:17:25 -0400 (EDT)

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com

Subject: [46014] Updated DE-Dir + 17-12 Beam designs

Message-ID: <Pine.GS0.4.10.9907252014090.14534-100000@moe.cas.utk.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have update the notes on DE+Dir Yagis, with 17-12 meter combined designs by adding a longer boom combo with an extra dB gain on 12 meters (about 7.2 dBi F.S.) to go with the shorter boom models. Just another design possibility for the collection which use forward stagger (where relevant) and open-sleeve coupling of drivers for simplicity of feed. Hope the addition is useful for someone's design notebook.

The note is in the HF section of the index.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	---	/	---	(Hm) (423) 938-6335

Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ || cebik@utk.edu
URL: http://web.utk.edu/~cebik/radio.html

Date: Sun, 25 Jul 1999 17:26:55 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "Russ Carpenter AA7QU" <russ@natworld.com>
Cc: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [46015] BB Score for N6WG
Message-ID: <01bed6fd\$90c21120\$739fb3d1@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Russ
Here's my score and log for this BB outing.
40m 7 QSOs 7 pts
15 & 20m 44 QSOs 88 pts
 total 95 pts
24 Bees x 3=72 x72
Total Points 6840

Setup was K2 at 5 watts on battery, 40m dipole with 300 ohm
TV line for feeder, homemade balun and LDG QRP Autotuner. I had planned on
a 20m EDZ, but fortunately I only brought the dipole. Turns out my trees
were just a dipole length apart.

I have added a +12v phono connector on the rear of my K2, so the LDG
just plugs into the K2. Only one battery cable that way. Also, using
the acoustic speaker filter outdoors really helped, as it would peak up
a weak signal over the background. Really helped when a helicopter flew
near.

My site was Redwood Regional Park, in the eastern hills overlooking San
Francisco Bay. I thought it was Chabot Park, as they are adjacent to each
other.

I worked a lot of the old familiar calls from the Fox Hunts and from QRP-L.
It seems like a large extended family event.

My biggest success was just getting on the air ! I forgot the BNC to UHF
adaptor to connect my cables to the back of the K2. I thought, DISASTER!

Then, "No, I can handle this."

I cut the UHF connector off one end of a jumper cable, and peeled the covering back to expose the braid. Fanned out about 2 inches of braid, and cut the center dielectric and conductor back to about 1/2 inch. Removed about 5/16 inch of the inner dielectric to expose the center conductor. Fortunately, I was using RG58 with solid center conductor. The center wire is too small to stay in the BNC connector, so I used needle nose pliers to crimp the wire into a tiny sinewave shape. This made the wire large enough to wedge securely in the center of the BNC connector. Then I twisted the coax braid together and wrapped it around the BNC shell, and held it tightly with plastic electrical tape. Worked just fine for the contest.

After this, I think I'll tape an adapter to the underside of the K2 :-)

73,
Bob N6WG

Log follows:

Time	Call	Sent	Rcvd
15m			
1701	AD6GI	579	579/CA/5W
1705	KB7MBI	559	569/WA/5W
1708	K8CV	539	559/MI/5W
20m			
1714	WB0WQS	559	579/MO/5W
1718	N7CEE/B	559	559/AZ/30
1722	WA7LNW/B	559	559/UT/86
1722	N7GS	559	559/MT/2W
1727	KB7MBI	559	599/WA/5W
1729	N1FN	539	559/CO/5W
1729	WD3P/B	539	559/DE/22
1730	K7TQ/B	559	559/ID/53
1731	KE5TC	559	539/OK/2W
1738	N0UR	559	579/MN/5W
1739	VE6EWM	559	569/AB/3W
1740	W6GKF	579	579/CA/5W
1747	K07X	579	559/UT/5W
1752	K5LN/B	559	559/TX/97
1753	AB5UA/M	559	559/OK/5W
1756	W1VT	539	449/CT/4W
1759	W0CH/B	559	559/MO/2
15m			
1802	W6GKF	579	579/CA/5W
1807	N1SB/7	559	559/WA/5W
1813	W7/JR1NKN	439	579/WA/2W
20m			

1819	N1SB/7	449	559/WA/5W
1823	N7XJ/B	579	559/UT/83
1829	N4DD/B	559	559/TN/44
1839	W0AV	449	559/MO/5W
1840	N0TU/B	559	559/CO/28
1842	VE7CQK/B	449	559/BC/5
1846	K7MPH	449	229/OR/5W
1850	W5RXP	569	569/NM/5W
15m			
1905	AB7TT/B	539	539/AZ/24
40m			
1913	WE7W/B	579	589/CA/101
1923	W4IM/7	449	469/AZ/3W
1925	KI6SN/B	559	559/CA/61
1935	N6MM/B	579	589/CA/74
15m			
1942	N0HJ/B	579	579/CA/35
1946	N1FN	449	559/CO/5W
1949	N0SXX/B	559	559/CO/49
1956	K4KJP	559	559/FL/2W
20m			
2003	N0SXX/B	579	599/CO/49
2013	W0YSE/B	579	579/UT/75
15m			
2022	K1QM/B	559	559/NY/8
2023	W7EL/B	559	449/OR/103
2024	AA7QU/B	559	459/OR/80
40m			
2034	W0SKI/6	559	579/CA/5W
2036	W6KI	559	579/CA/5W
2038	K7GT/B	579	579/CA/87
20m			
2042	K0EVZ/B	559	589/ND/14
2045	WB4OFT/B	449	449/NC/13
2055	W0UFO	449	559/MN/5W

Date: Sun, 25 Jul 1999 20:59:18 -0400
From: "John R. Klim II" <jrklim@pop.erols.com>
To: unlisted-recipients;; (no To-header on input)
Subject: [46016] GARC Special Event Station
Message-ID: <199907260057.UAA05420@smtp2.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

During the Mission of STS-93, the Goddard Amateur Radio Club (GARC) is sponsoring a special event. Contacts must be 2-way, SSB or CW, Simplex only. Any current GARC member may add the suffix "/30" to their call to commemorate the 30th anniversary of the Apollo 11 mission. A Special 8"x11" certificate will be created for this special event. Send a 8"x11" SASE or 2 units of first class postage, if you do not want your certificate folded, to the station you have contacted or to:

Goddard Amateur Radio Club, Inc.
WA3NAN

P.O. Box 86
Greenbelt, MD 20768-0086

I will be QRV on 2m (144.250), 6m (50.135), 10m (28.420) SSB; CW on 15m (21.161), 40m (7.133), and 80m (3.689) as much as possible during the rest of the mission. During the week I will be on after 18:00 UTC, work permitting. I am a TECH PLUS, PSE QRS 5 TNX. I am sorry, I forgot to put in the frequencies.

CUL

73

John Klim
N3KHK/30

John R. Klim
N3KHK

E-MAIL Internet jrklim@erols.com

ARES P.G. County Maryland
RACES P.G. County Maryland

ARRL Life Member
AMSAT Life Member LM-2187
Fists 5015

10-X Life Member	68135	
Springbok Chapter	1874	
Chesapeake Bay Chapter	549	
Branding Iron Chapter	1610	Points = 703
Seals: Box C 1528		
Pirates of the Mississippi	377 HM	Points = 7,853
Seals: HK - 310, K - 287, 2K - 273, 3K - 262, 5K - 252		
Flying Tigers Chapter	193 V5	Points = 150
Seals: P12: 204P, P51: 608, P38: 609, P61: 610		

Date: Sun, 25 Jul 1999 21:06:36 -0400
From: "Tom H" <biskit@snip.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46017] requesting QRP calling freqs.
Message-ID: <004a01bed703\$1ca1ebc0\$9c4eccd1@hybiske>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

'Evening List members,

Was wondering if someone could supply the calling frequencies for the following cw bands:

80-
40-
20-
15-
10-

any others:

Thanks,
Tom K3GM

Date: Sun, 25 Jul 1999 21:10:10 -0400
From: "Tracy" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.EDU>
Subject: [46018] Surplus BALUNS
Message-ID: <NCBBICHAOKICOGKID00GMEDFCKAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey guys, I've been cleaning my shop and found a bunch of stuff I had claimed over the years from my hamfest trips. They're mine, not ByteMark's.

I'm letting my Baluns and Ununs go cheap. I know a lot of you guys think these things are QRO, but wake up they're 99% efficient - I CHALLENGE you to make a 'qrp' version with higher efficiency!! They're big to be efficient ... they just happen to take a lot of power because they're big.

W2FMI 2:1H DU50 UNUN \$30 Have 2
25 ohm unbalanced, 50 ohm unbalanced

retail \$49.95

W2FMI 4:1HB50 \$30 Have 2
12.5 ohm balanced, 50 ohm unbalanced
retail \$49.95

W2FMI 4:1HBM200 \$30 Have 1
50 ohm unbalanced, 200 ohm balanced
retail \$49.95

W2FMI 1.5:1HB75 \$40 Have 1
50 ohm unbalanced, 75 ohm balanced
retail \$69.95
(Perfect for my half sloper ... I kept one of these)

BALUNS and UNUNS are new in box WITH WARRANTY!

email me for reservation (tracy@bytemark.com)
Make checks payable to TRACY MARKHAM - this is NOT a ByteMark thing! Sorry,
if you want to use your plastic you have to buy it from ByteMark at retail
...

Thanks for the bandwidth fellows ... there's only two groups that would
appreciate these things and I posted it here first :)
Tracy Markham, N4LGH QRP-L #1453
tracy@bytemark.com

Date: Sun, 25 Jul 1999 21:24:11 -0500
From: "George Heron" <n2apb@erols.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [46019] KI6DS pics at Jersey QRP mtg AND Fireball Rx
Message-ID: <019501bed70d\$f5214ea0\$b0ceaccf@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There are a bunch of neat pictures posted from the Jersey
QRP meeting a couple of weeks ago, at which Doug Hendricks,
KI6DS was our honored guest. There are some real "Kodak
Moments", bound to tickle some fancies. You can get there
from our home page at: www.njqrp.org

ALSO ... on that same page we are starting to describe a bit more about our next club kits: the Fireball "SOP" Receiver from N2CX, and the FB40 VFO from WA2UNN. Start droolin', as these are very cool follow-ons to the FB40 Kits we're just finishing up. (You DID get a FB40 for yourself, right?! :-)

And lastly, on that same page, is a brief description about the birth of a new quarterly QRP journal called The QRP Homebrewer." It's being published by the Jersey QRP group and it's debut is this fall. More info soon.

72, George N2APB
n2apb@amsat.org in Baltimore, MD
for the NJ-QRP Club at www.njqrp.org

Date: Sun, 25 Jul 1999 19:51:19 +0000
From: Tim Ahrens <tahrens@hilconet.com>
To: qrp-l@lehigh.edu
Subject: [46020] Now a Z32!
Message-ID: <379B6AB7.DBB06CF3@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This guy was begging for someone to answer him. Got a 549 (wow, a 'real' report! K2 & dipole up the hill fed with 200' ladder (BTW, thanks to all who had comments about the length of Ladder)!!

Hmmmm, wonder if this is a sign... maybe I won't bother with all the work to put that TH7DXX up after all!

Work em... they are there!

cuall

Tim W5FN

Date: Sun, 25 Jul 1999 21:26:39 -0400
From: Bob Edwards <w4ed@gis.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [46021] ARS/BB'99 #32
Message-ID: <379BB94F.84FDD15D@gis.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Had a great time despite the "local heat advisory".

Managed 37 contacts & 13 Bees on 20 & 15m.
40 was dead and heard only one vy wk /BB on 10m.

used a K2 with T4 mod, TFR vertical, ZM-2, homebrew paddle, 7 AH battery.
The battery ended up at 12.6, barely dented its charge.
Did hunt & pounce but also did some serious sustained CQs on 15m.

Worked several on both 20 & 15 including Zack/W1VT.

Thanks to ARS (Russ et.al.) for a really fun event.

--

	/
Bob 72/73	/
email, w4ed@amsat.org	/K2 \
http://www.qsl.net/w4ed	/ / 21 \
nr Atlanta @EM73wt	/_ /_ __ __\
...."QRP, more from less"....	[\-----/

~~~~~

-----

Date: Sun, 25 Jul 1999 21:46:27 -0400  
From: "Tracy" <tracy@bytemark.com>  
To: "QRP-L" <qrp-l@lehigh.EDU>  
Subject: [46022] RE: 400 cycle xtal filter  
Message-ID: <NCBBICHAOKICOGKID00GKEDGCKAA.tracy@bytemark.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sometimes they don't fit exactly where you might think they would ... :)  
Tracy N4LGH

According to International Radio (formally Fox-Tango), the YF-88h400 is for

your radio. It looks like the seller told you the truth. You might want to investigate further.

-----  
Date: Sun, 25 Jul 1999 21:49:17 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [46023] Bee Flight #37: N2CQ  
Message-ID: <3.0.6.32.19990725214917.008877d0@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Location: Red Bank Run Battlefield Historical Park, Gloucester County NJ.  
Antenna: 40 Meter Inverted V up 40'. 300 ohm feedline with tuner.  
Equipment: 20 meters - NW8020 Xcvr 4 watts. 40 meters - OHR 100A 4 watts.  
7ah battery a little low. 1 hour operated on 40 and 3 hours on 20.

I had fun on the 1999 Bumblebee Flight. Took a walk with the station to the far end of the park and set up next to a great evergreen which became a proper tower.

Not a great shot on the first sling but since I was running late, I took the 40' high limb anyway. Just made it at the start at 5 minutes in. Many thanks for the QSOs from the Bees, Non-Bees and several of the other NJQRP/EPAQRP club stations.

Thanks for the QSOs on both bands from VE3ELA, K2HPV and N2CX.

Glad to see Joe, N2CX hiking across the Park for a eyeball QSO and some pix taken of the Bee and Hive. :-)

Condx on 20 noisy here but got better later on. Much better condx on 40 of course and would like to stay there for a while but had to plug away on 20 again for the 2 point QSOs.

Next Bee Flight items:

#1: Find anti-Horsefly potion for the ankles. (They draw blood).

#2: Find a big tree right on the Delaware River to set up for a little breeze for the 100+ degree heat index. Wish I had done that!

Oh yes the score....

51 QSOs. (20 QSOs on 40 and 31 on 20.) Bees contacted: 21  
 $(31 \times 2) = 62 + 20 = 82$  QSO points.  $(21 \times 3 = 63$  for Bees).  $82 \times 63 = 5166$  score.

Note to N2SHM: Could not beat your score from 1998, Dave, But I tied it. Imagine that!

-----  
72/73 de  
Ken Newman - N2CQ  
Woodbury, NJ

N2CQ@ARRL.NET

~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~Club Callsign~~~  
WQ2RP

-----  
Date: Sun, 25 Jul 1999 11:27:17 gmT  
From: waltk8cv@juno.com  
To: Arjen.Raateland@vyh.fi  
Cc: qrp-1@lehigh.edu  
Subject: [46024] Re: Marking toroids & desoldering wick tip  
Message-ID: <19990726.010250.-73941.2.waltk8cv@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Arjan and masochists:

Another thing I have just learned is you need a goodly amount of FRESH solder on the iron tip to apply heat to the old soldering wick and if you have a soldering station, change the tip to one of substantial means, rather than the fine pointed one you were using in assembly ! Probably a higher wattage iron, if you do not have a soldering station. Like 45 watts, if you are using a 25 watt iron to build with .

On Sun, 25 Jul 1999 08:14:46 +0000 Arjen Raateland

<Arjen.Raateland@vyh.fi> writes:

>Gang,

>

>I've never been very concerned with marking the windings on toroids

>but

>rather with marking the toroid material itself, so I don't need to

>worry

>/ measure / guess later.

>

>For this purpose I've gradually accumulated small cans of model

>builder's enamel paint in all colours of the colour code as used on

>resistors. When I buy a quantity of cores, I lay them out on a sheet

>of

>paper and mark the cores using a tooth-pick to apply the colours for  
>the  
>material code. So #43 material would have yellow and orange. I paint  
>only on one side and read the code when it's towards me, so there  
>shouldn't be any ambiguity of a core being #43 or #34, if such would  
>exist. A tooth-pick doesn't need rinsing, so that's why I use it  
>rather  
>than a brush.  
>  
>My other subject, soldering wick, refers to a trick I found to make  
>the  
>wick which I found in an old stash work FB. It was old and doesn't  
>wick  
>very well as it is, or perhaps it had never done so. Anyway, I have a  
>small tin with solid colophonium - which is what is used in the core  
>of  
>'radio' solder as a flux material.  
>  
>I lay the tip of the wick on the colophonium surface and just lightly  
>touch it with the hot soldering iron. This melts a little of the  
>colophonium which sticks to the wick. Then I proceed as normal,  
>wicking  
>the solder from the PCB. The wick works great every time now.  
>  
>My small tin of colophonium (20 gram) came from Conrad Electronic who  
>have shops in many countries in Europe. Maybe somebody reading this  
>message knows where to buy colophonium in the USA or Canada.  
>  
>73,  
>--  
>Arjen Raateland  
>OH2ZAZ  
>  
>  
>SAS Support  
>Finnish Environment Institute, Helsinki  
>  
>AX.25: OH2ZAZ@OH2RBI.FIN.EU  
>

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---

Date: Sun, 25 Jul 1999 22:14:22 -0700

From: "Earl Andrews" <earlve3ab@igs.net>  
To: <qrp-1@Lehigh.Edu>  
Subject: [46025] Half Squares and Random wire observations.  
Message-ID: <199907260212.WAA09975@host.ott.igs.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just thought id post something on the half squares. I made one up for a weak TV Channel..Channel 2...56 mhz. I was in a fringe area and using an indoor wire that i would hook up with test leads in various configurations trying to get the best reception. A rectangular loop wasnt bad, varous random wire configurations were generally not good and at times very poor..not much video signal received but the half square solved the problem and it fit in my room nicely. So...even indoors...a half square works pretty good and beats the pants off a random wire configuration of approx the same length of wire. I might mention another time I was trying to rcv ch 2 ..this time from an apartment in a low area...I wanted to get the hockey games that were blacked out locally!!>>So I built a full size 2 element quad and put it in the spare room and it worked pretty good...from almost 0 signal to a good watchable video and audio...how many db gain over my crappy rabbit ears i dont know!! SO...my recommendations are quite favorable towards the half square. As for the upside down nick named version "The Robert TAIL"...im not sure! Never tried one but looks easier to feed with the feedpoint for coax at the bottom. I hope to build a half square for HF when i have more time..73 Earl VE3AB...I might mention that the half square i built for 56 mhz used a 6 ft length of rg59 and i measured it only approximately and hooked it up with aligator clips etc...makeshift but it played.

-----  
Date: Sun, 25 Jul 1999 22:02:21 -0700

From: w4bws@juno.com  
To: af852@rgfn.epcc.edu  
Cc: qrp-1@Lehigh.EDU  
Subject: [46026] Re: ROTATABLE INVERTED HALF SQUARE  
Message-ID: <19990725.221201.-319623.1.w4bws@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Several years ago I also had a rotatable 40 Meter antenna with the grounded tower as the reflector and driven elements hanging from the ends of the 20 meter boom. It had a coax switch that would switch from one driven element to the other and only required 180 degrees rotation. Could switch beam directions fast.

I had a 2 meter J pole on the top and made an insulated boom with the reflector and 4 directors on it that rotated around with the J pole as the DE. Made a great beam.

Don W4BWS

On Sat, 24 Jul 1999 00:47:44 -0600 "William R. Colbert"  
<af852@rgfn.epcc.edu> writes:  
>Should work quite well - W7DND of Bremerton, Wa had a similar  
>system, with parasitic reflector and director sections set up  
>on a platform, .....was also rotatable by pushing it around to the  
>desired direction. 4 elements on 40, 6 elements on 15. Written  
>up in 73 by Jerry Swank - W8HXR, in the late 70's.  
>73  
>Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
>(also w5xe@juno.com El Paso,(FAR WEST) TEXAS

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----  
Date: Sun, 25 Jul 1999 22:52:11 -0400 (EDT)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-1@lehigh.edu>  
Subject: [46027] For Sale MFJ 9020 and 9030 QRP rigs!  
Message-ID: <19990726025211.14604.rocketmail@web135.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I have the following QRP rigs for sale as I am

buying a QRP+. They are;

MFJ 9020 \$150

MFJ 9030 \$150

Please let me know if you would like to buy any of them. Thanks!

Jeff

===

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Voicemail/Fax 1-888-Excite2 ext 925-439-2514

-----  
Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Sun, 25 Jul 1999 22:57:22 -0400

From: "Alex Mendelsohn" <ai2q@ispchannel.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [46028] 2n2/40 output filter

Message-ID: <000501bed712\$95641560\$5c32a7d0@mendelsohn.ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Well, I've finally gotten to the output filter on the 2N2/40's PA section.

Just a note to other builders:

The last section of the output filter includes capacitor C65. It's shown with the proper reference designation on the old and newest schematics, but the pictorial SEQ#8 indicates it carries a ref-des of C56, which is wrong. No big thing, but this may confuse someone.

GL es 73, AI2Q, Alex .-.-.

-----  
Date: Sun, 25 Jul 1999 22:57:21 -0400  
From: "Alex Mendelsohn" <ai2q@ispchannel.com>  
To: <k5ubs@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [46029] RE: 2n2/40  
Message-ID: <000401bed712\$94717800\$5c32a7d0@mendelsohn.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It's not listed anymore. I've been watching for its re-appearance for weeks Oscar. I think I may have gotten the last "kit."

If you get lucky, you'll get ahold of Dan himself, not his answering machine. Perhaps he can be persuaded to kit up a few more kits.

GL es vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
> Oscar A Hoyt  
> Sent: Sunday, July 25, 1999 5:31 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: 2n2/40  
>  
>  
> Time to get it built...  
> Read on here that Dan's parts had a kit or partial kit of parts for this  
> rig.  
> I looked on Dan's page and didn't see it listed. Am I suffering from bad  
> memory or just not know where to look?  
> tnx 72  
> Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL  
>  
>  
> -----  
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>



Date: Sun, 25 Jul 1999 23:16:16 EDT  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [46030] Heathkit test gear - spoken for  
Message-ID: <19990725.210804.2303.11.N5IB@juno.com>

The Heath test gear and the Collins filter are claimed. All those who enquired have been notified privately.

Still have the power supply. It's homebrew but useful for low current tinkering. The + and - supplies can be set to be of equal voltage or at a fixed ratio. Once the ratio (or 1:1) is set they will track with a single adjustment. Independent current limiting is settable for the + and - outputs. A panel meter reads (via switch) V+, V-, I+, or I-. Three banana/binding posts for outputs. Metal case and engraved metal panel. It is about half the size of a shoebox. Built it back in my undergrad EE days about 30 years ago, but still works - I built 'em solid!

Same deal - yours for shipping cost.

73

Jim N5IB

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Date: Sun, 25 Jul 1999 22:03:19 -0600  
From: jaywa5whn@juno.com  
To: qrp-1@lehigh.edu  
Subject: [46031] Fort Tuthill 1999  
Message-ID: <19990725.220324.-828061.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A new world's record; in less than 3 minutes, all of NN1G's kits were sold at the AZ scQRPion's booth. I had purchased the last kit {DSW-30}. We had heard the AZ National Guard was going to be called out to quell the civil disturbance, in front of NN1G's display. ;-) Dave has a new radio design for calendar year 2001. {A HAL 2001 xcvr with a new PIC programmed that asks the following question; "Dave, will I dream?"} ;-) A bit of humor that had originated during the Saturday night

campfire session.

Embedded Research had donated 50 TiCK kits. That wonderful gesture had produced some very interesting results. When WB5LYJ & I had arrived at the QRP Campground, we were greeted by Jamie, KC7MQY. Jamie had shown us the new TiCK kit that she had built, on site and it was working. Look for an article about Jamie in an upcoming Youth Forum column, by N5ZGT in "Worldradio".

Many vendors had donated quality prizes, thank you.

We were repeatedly told by various individuals, who happened to be passing by that we were having too much fun at the AZ scQRPion booth. Lots of laughter was radiating from the packed meeting room too.

The W1AW/7 Tuna Tin Special Event Station was very busy. Thank you W1RFI and the ARRL.

All of the presentations were to a packed house and everyone had exceeded their time slots.

K5FO is slowly disappearing {The callsign, not the Individual.} K7??

W5JAY, Jay {The other one} had sold numerous VE3DNL generator/marker kits in the AZ scQRPion's booth.

WB5QYT, Tom had shown us a different technique on how to get an antenna up in 30 to 300+ feet high trees very rapidly.

W6MMA had demonstrated a new antenna coil design at the AZ scQRPion's booth.

N6WGC had produced some very unique badges for this event. Most all of us were wearing them, plus the NA5N Zombie badges, and a few NA5N Atlanticon badges. We were repeatedly stopped and asked where we had obtained all of these badges throughout the hamfest.

N7XJW, KI7MN, N7KT, NQ7K, KJ7LO, W5VBO and his lovely bride, I can not thank you all enough. The work that goes into this type of event, coordinating with ARCA, setting up the booths, beating the speakers, ah, er, forcing the speakers to adhere to their available time slots, and putting up with dumb questions. Thank you, thank you, thank you.

The weather had cooperated.

A wonderful gesture by W7AQK, to N7XJW & KI7MN, had occurred during the Saturday evening cook out. Dave had donated his DSW xcvr kit {prize} to Bertie & Bob in appreciation for their hospitality and hard work that was

put into this event. Bertie and Bob had also received plaques from Mr. & Mrs. W5VBO for their outstanding efforts.

N0QT, Jan thanks for making the salad. Your honesty is very refreshing.

The entertaining humorous verbal jousts between KI6DS & the shrinking K5FO are always a treat to observe.

KF6ML, Sam thanks for the tips on how to prepare and cook teriyaki beef, and your most humorous wit is appreciated.

NQ7K, who had driven up from Phoenix on Saturday night just to cook beef and chicken, and returning home that night. BTW, thanks old buddy, I did enjoy exchanging quips with you while the both of us were wearing aprons. The next time, hide the cookies. ;-)

KK6MC had rescued me with a Modelo Negro ale, while I was standing near the hot coals.

What this all comes down to is the campground was full of families and friends, who were enjoying each other's company.

I was impressed with who was sitting with WB5LYJ, Judy and I at our dinner table, WA6GER, W6MMA, W7AQK and his lovely bride Carol.

What was discussed during the campfire session? Be patient, some of those ideas will be posted to the qrp-l within a few weeks.

We had heard, during the Glacier-Waterton Hamfest, a week before Ft. Tuthill, that W5VBO is directly responsible for the Canadian government's, in particular the Weather Ministry, clocks being off by 12 hours. When confronted with these facts, W5VBO had confessed. More details about this particular subject will follow in a later posting.

We had fun. We will be there next year, save us a tent camping site.

72...Jay, WA5WHN DM65qd

Albuquerque, NM USA

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Date: Mon, 26 Jul 1999 00:12:29 -0500 (CDT)  
From: aweiss@usd.edu (Ade Weiss W0RSP)  
To: qrp-1@lehigh.edu  
Subject: [46032] RE: CY9CWI & W0RIP, W0RS, and Finally, W0RSP!  
Message-ID: <199907260512.AAA15168@sunburst.usd.edu>

Hi gang:

Persistence pays off. One has to eliminate ego from the formula as well. Here's the dope.

Night of 7/25 (Z) a big pile-up on CY9CWI on 30m. Many calls later, he QRZ'ed W0R?. So, for about 5 minutes, I kept re-sending my call, even going to the strategy of spacing the dits of the "S" a quarter-second. He still kept coming back to W0RIP. After a while, I got the impression that everyone went home 'cuz not a signal in earshot. As soon as I quit, I realized that about a 1000 hams were out there listening to this stupid QRP station unsuccessfully use every sending trick in the book and end up with no QS0!!! The pile-up resumed as big as ever. Talk about embarrassing! At least they got a look at the various methods of trying to emphasize and clarify a letter in one's call!

That wasn't enough. Tonight, for some reason, he came back to me, i.e., W0RS on my fifth call -- I thought I was home free! I tried one extra time and gave up -- W0RS was in his log for keeps.

So, about 15 minutes later, I said, what the heck. This time, VICTORY!! W0RSP right back to me! Chalk up #82 on 30m during a veryyyyyy slow summer.

The moral of the story is, well .... anyone can figure that out...

72, Ade  
-----

Date: Sun, 25 Jul 1999 22:22:32 -0700  
From: Thomas Kuehl <ac7a@uswest.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, dh94734@goodnet.com, elecrafft@radios.com  
Subject: [46033] Ft. Tuthill, the K2, et al  
Message-ID: <379BF098.2CD7E858@uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

(Delete now if you don't care to read about my Ft. Tuthill Hamfest experience.)

Howdy Everyone:

Often, I have seen postings on QRP-L from someone who has just returned from one of the big hamfests and has related their hamfest experience. I sense they are basking in the afterglow: reflecting on all the great activities they attended, all the neat people they met, all the priceless flea market goodies they acquired, and so on. Well, I now think I know what they have experienced. My friend Jim, W7LM, and I returned today after three days at the Ft. Tuthill Hamfest in Flagstaff.

I had sporadically attended Tuthill in previous years, and usually didn't enjoy it much. But this year we linked up with the AZ scQRPions and had a blast!

After traveling on Thursday night, and sleeping in the car in a field, we found a campsite Friday morning next to Dr. Megacycle (Jim - KK6MC/5) and his lovely wife, Ginger morning. We were in the camp about 6:00 AM, launching a 40 meter inverted-V in the pine trees when Jim immediately came over and lent us a hand (just after waking up). Using a wrist-rocket I was able to get the apex up about 50 feet while the two Jims managed the wires and feedline. When we had finished putting up the antenna we found that Ginger had cooked us breakfast! How is that for making some total strangers feel welcome?

Most of Friday was spent at the sizable flea market and meeting many of the scQRPions and other QRPers in attendance. It was great meeting in person many of the

folks whom I had QSO'd on the air, or have read on QRP-L: K5FO (soon to be K7QO), WA7LNN, N7IR, KU7Y, KA5T, AB7OA, KI7MN and so many others that are all a jumble to me right now (I apologize to those I have failed to list). It was nice having that day just to take it easy because we knew we were in for a busy one on Saturday. Besides, I think the flea market gave up some of the better items that day.

During moments of free time, I put the K2 on 20 and 30 meters. Conditions weren't too great but I did manage a few QSO's with stations in Texas, Colorado, Idaho, and Washington. Even though I had just finished the K2 a few days before leaving, and the filters and BFO were not yet calibrated, the radio worked flawlessly. What an amazing job Eric and Wayne have done.

Saturday was filled with the QRP forums that covered a wide range subjects on QRP contesting, RFI (by Ed -W1RFI), Q & A's, xcvr mod's, and a technical forum on a new, very high performance mixer by Dan Tayloe, N7VE. We saw the Tuna Tin II in action, but there was a pretty good line of folks waiting to operate W1AW/7/QRP, so I didn't attempt it. That night, the scQRPions hosted a BBQ; it was great. I put the K2 back on the air that evening and demo'd it to a couple of fellows. Chuck, K5FO, got on 40 and had a solid QSO with a fellow up in Montana. Chuck told us he has built about every radio kit produced in the last 40 years, upwards to 100 of them, but not the K2. We then joined everyone around the campfire where Paul, NA5N, and others, told great stories about the Norcal Zombies, the Waterton Hamfest, Y2K, and plans for up-coming QRP events.

Sunday was spent cleaning up the camp, saying good bye to our new friends, and the drive back to Tucson. All the camping gear is still laying on the den floor.

There is so much more to relate, but I am much too bushed from the whole weekend to continue. My congratulations to the AZ scQRPions for a job very well done. I am now basking in the afterglow - and looking forward to next year.

Thanks to everyone.

Regards, Thomas - AC7A

-----  
Date: Mon, 26 Jul 1999 01:43:10 EDT  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [46034] Want to trade  
Message-ID: <c926e40c.24cd4f6e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I have an ARK-20-M a real DX machine in 100% + condition with CW filter and  
programable S&S keyer.  
I would like to swap it for a ARK-40-M or a TAC-1 40-M.  
It had a full alignment and final replaced with a more rugged type by S&S  
Please reply direct.  
Thank You  
Bob  
WA2HQrp <tm>

-----  
Date: Sun, 25 Jul 1999 22:48:40 -0700  
From: Lee Hopper <leehop@uswest.net>  
To: qrp-1@Lehigh.EDU  
Subject: [46035] Re: millawattting, QRO operators, Internet QSL's  
Message-ID: <379BF6B8.E3389E7@pop.ptld.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi, guys - just wanted to share an email message from a QRO op who dug me out on  
40m in a sea of static. Might have been his first QRP contact.

> 2 WATTS!!!!!!!!!!!!!!!!!!!!!!wow you were doin great then...we gotta do that  
> again....I think that is the lowest I have ever tried to work.....me nah I  
> was runnin everything I had at abt 100 watts even.....I should probably  
> be takin lessons from ya.....  
> anyhooooo 73's and tnx fer the reply

You gotta love this game...

Lee H  
KD7CTF@arrl.net

-----  
Date: Mon, 26 Jul 1999 07:15:46 -0400  
From: Michael Bower <bowerm@ix.netcom.com>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [46036] single paddle or dual paddle  
Message-ID: <379C4362.5C97E9CC@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'd appreciate some comments from the experienced group here:

What are the advantages vs disadvantages of single paddle key (not straight key) vs dual paddle key? Why would I choose one over the other? If it is all just preference, are there any special characteristics one has that the other has.

Now, I know you folks are reticent to state your opinion <grin>, but  
.....

TIA

Michael - N4NMR

(I bet you folks will be glad when I finally get a rig and setup and quit asking all these questions, huh?)

-----  
Date: Mon, 26 Jul 1999 07:22:20 -0700  
From: "Thomas Moll" <n0bs@compaq.net>  
To: <qrp-1@lehigh.edu>  
Subject: [46037] FT-243 crystals  
Message-ID: <000701bed772\$467ea0e0\$0c350b3f@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I just learned of the passing of John Morris, of CW Crystals.  
John was providing a valuable service to the amateur  
community that still has an appetite for the old style  
crystals, and will be missed.  
Can anyone recommend another source of FT-243's?  
Thanks,



Tom Moll    N0BS

-----  
Date: Mon, 26 Jul 1999 07:30:12 -0500  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-l@Lehigh.edu  
Subject: [46038] T-match design program - searching for  
Message-ID: <3.0.1.32.19990726073012.007b0b10@rouge.phys.lsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Does anyone have a file copy of "tnetwork.bas" a Q-Basic program associated with W4ULD's January 1995 QST article on optimizing T-match circuits? A check of the ARRL ftp site was fruitless.

72,  
Jim N5IB    and Trustee of W5YW, the LSU club station

n5ib@juno.com                    at the home QTH  
giamman@rouge.phys.lsu.edu    at LSU Physics and Astronomy  
<http://www.qsl.net/n5ib>        N5IB home page

-----  
Date: Mon, 26 Jul 1999 08:49:36 -0400  
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [46039] OT: Horse shoe pit clay recipe...  
Message-ID: <379C5960.5EED65BE@eng14.rochny.uspra.abb.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi,  
Sorry for the off topic but I remember somebody on this list saying that they had a  
recipe for horse shoe pit clay. If anybody knows anything about it, please drop me a private note.

Thanks.

Tom, kv2x

-----  
Date: Mon, 26 Jul 1999 08:04:21 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46040] FS: Atwater Kents  
Message-ID: <000301bed767\$660ec580\$7866d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang,

I decided to post this here before I put it on E-Bay and let my QRP friends have the first shot. I'm selling this for a friend that doesn't have net access. Here goes....

Atwater Kent Model 40. Very good condition, and it includes all of the tubes.

Atwater Kent Model 20. Poor condition, but it can be restored.

\$500.00 for the set.

72/73,

----

Randy Jouett, AB5NI

-----  
Date: Mon, 26 Jul 1999 09:15:36 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@lehigh.edu  
Subject: [46041] Re: 400 cycle xtal filter  
Message-ID: <379C5F78.EBA14978@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The filter is electrically but not physically compatible.

The filter is useful if you want to extensively modify  
a HW-9 (compatible IF). 73--Zack W1VT

-----  
Date: Mon, 26 Jul 1999 09:28:42 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@lehigh.edu  
Subject: [46042] Re: milliwatts - Skill not power  
Message-ID: <379C6289.BC92EE1@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

How about summing both power used by both stations?  
2XQRP WAS means  $< (5W+5W)*50(\text{states})=500 \text{ watts}$ .  
Could it be done with  $(.1W \times 2 \times 50)=10 \text{ watts}$ ?

Or how about the sum of all the transmit powers, you  
only count your maximum transmit power once and sum the  
50 other transmitters?  $50\text{states} \times .08\text{watts} + 900\text{mW} = 4.9 \text{ watts}$

73--Zack W1VT

-----  
Date: Mon, 26 Jul 1999 13:34:32 +0100  
From: Larry Cahoon <wd3p@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [46043] w2gjs@juno.com: Sunday Flight of the Bumble Bees  
Message-ID: <19990726.133433.4270.1.wd3p@juno.com>

I thought you would all enjoy this one. We got an extra bit of publicity  
on the BB contest.

73 de Larry.....WD3P

----- Begin forwarded message -----

From: w2gjs@juno.com  
To: wd3p@juno.com  
Subject: Sunday Flight of the Bumble Bees  
Date: Sun, 25 Jul 1999 12:52:39 -0400  
Message-ID: <19990725.132339.-228763.1.w2gjs@juno.com>

WD3P de W2GJS .. Hi Larry .. as info:

----- Forwarded message -----

From: "David Hurley,n2zhy" <n2zhy@amsat.org>  
To: David Sarnoff Radio Club <dsrc@nerc2.nerc.com>,  
w2zq <W2ZQ@onelist.com>  
Date: Sun, 25 Jul 1999 10:41:36 -0400  
Subject: Sunday Flight of the Bumble Bees

Too hot to go outside? Check out the Flight of the Bumble Bees.

The qrp people are running another silly theme contest this afternoon. People from all around the country will be operating from campsites, places they have hiked or paddle to, why there is even a guy up on top of MT. Everest with a 15/20/40 meter ht making cw contacts!

Ok. I made that last part up.

But anyway its a fun event, even if you hate contest. All low power, less that 5 watts. Some stations will be operating at less that 1 watt. Check it out.

72

David,n2zhy  
Princeton,NJ

The following is from the qrp-l reflector.

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Mon, 26 Jul 1999 10:08:16 -0400  
From: "Randy Hargenrader" <randyh@harksystems.com>  
To: <qrp-l@lehigh.edu>, <klqrp@waterw.com>  
Subject: [46044] Fw: Bumble Bee Performance!  
Message-ID: <021c01bed770\$4fee9f60\$150001c0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Randy Hargenrader <randyh@harksystems.com>  
To: eleccraft@qth.net <elecraft@qth.net>  
Date: Monday, July 26, 1999 10:05 AM  
Subject: Bumble Bee Performance!

>Gang,  
>The shakedown cruise for S/N 183 was this last weekends' Bumble Bee  
contest.  
>The K2 is an amazing rig. Ran the entire contest (4 hours) at 5w on the  
>internal battery.  
>At the end, the battery was at 10.5 volts in rcv and went down to 8.5 volts  
>key  
>down. STILL putting 5 watts out! We filled up several pages with  
contacts,  
>the K2 definently "made" the day. The keyer memories, the CW reverse rcv,  
>the repeat functions, etc... a guy could get spoiled!  
>  
>72,  
>Randy WJ4P  
>

-----  
Date: Mon, 26 Jul 1999 10:38:48 -0400  
From: "Tracy" <tracy@bytemark.com>  
To: "QRP-L" <qrp-l@lehigh.EDU>  
Subject: [46045] Surplus BALUNS and UNUS  
Message-ID: <NCBBICHAOKICOGKID00GCEDKCKAA.tracy@bytemark.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hey guys, I've been cleaning my shop and found a bunch of stuff I had  
claimed over the years from my hamfest trips. They're mine, not ByteMark's.

I'm letting my Baluns and Ununs go cheap. I know a lot of you guys think  
these things are QRO, but wake up they're 99% efficient - I CHALLENGE you to  
make a 'qrp' version with higher efficiency!! They're big to be efficient  
... they just happen to take a lot of power because they're big.

W2FMI 2:1H DU50 UNUN \$30 Have 2  
25 ohm unbalanced, 50 ohm unbalanced  
retail \$49.95

W2FMI 4:1HB50           \$30 Have 2  
12.5 ohm balanced, 50 ohm unbalanced  
retail \$49.95

W2FMI 4:1HBM200           \$30 Have 1  
50 ohm unbalanced, 200 ohm balanced  
retail \$49.95

W2FMI 1.5:1HB75           \$40 Have 1  
50 ohm unbalanced, 75 ohm balanced  
retail \$69.95  
(Perfect for my half sloper ... I kept one of these)

BALUNS and UNUNS are new in box WITH WARRANTY!

email me for reservation (tracy@bytemark.com)  
Make checks payable to TRACY MARKHAM - this is NOT a ByteMark thing! Sorry,  
if you want to use your plastic you have to buy it from ByteMark at retail  
...

Thanks for the bandwidth fellows ... there's only two groups that would  
appreciate these things and I posted it here first :)  
Tracy Markham, N4LGH QRP-L #1453  
tracy@bytemark.com

PS  
I posted this last nite but it didn't go ... is the server down on Sunday  
nights?

-----  
Date: Mon, 26 Jul 1999 10:36:11 -0400  
From: Scott Howell <whowell@hq.nasa.gov>  
To: qrp-l@lehigh.edu  
Subject: [46046] 6m contact at 100 MW  
Message-ID: <3.0.5.32.19990726103611.00808d70@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

would you like to know how I made a 6m contact at 100 MW?

well look for my next msg.

72 de Scott/n3byy

-----  
Date: Mon, 26 Jul 1999 10:39:14 -0400  
From: Scott Howell <whowell@hq.nasa.gov>  
To: qrp-1@lehigh.edu  
Subject: [46047] 6M contact at 100MW answer  
Message-ID: <3.0.5.32.19990726103914.0081b530@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

ok, so you thought it over a while. How's about 100MW into a dummy load no less.

ok, well it was arranged, but can't blame me. Had to test a transverter Chris/n3xrv brought over. Something was wrong with it, but ay I can't believe how well that dummy load receives and radiates 100MW. Now that's amazing. I gave Chris a 599 for sure on that dummy load rcvr. Ok, well he was only about 100ft or so away. Isn't Qrp amazing?

72 de Scott/n3byy

-----  
Date: Mon, 26 Jul 1999 09:42:41 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: ka8okh@som-uky.campuscw.net  
Cc: qrp-1@lehigh.edu  
Subject: [46048] Re: QSLs from the Abyss  
Message-ID: <E118kv4-0000ZX-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Uhh? What color was the M&M before it disappeared? :-)

Just got back from Tuthill and will post to the group at large later today. I read over 1,000 emails and postings. Then ticnet.com resent all 1,000+ to me again, so here I go and if I get silly today you'll all know what is up.

Tuthill was a blast as it is every year. Thanks to Bertie, Bob, Jay, Jay, Doug, Jim, Gary, Kent, and a cast of 1,000s for the joy and memories. I have to sit down in the quiet of the kitchen and write down all the memories before they disappear.....

Film at 11.....

BTW. If you have to start your subject line with OT: (off topic), don't bother posting to QRP-L. Enough is enough already.

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Mon, 26 Jul 1999 10:34:24 -0400  
From: "Richard Hensel" <rrhensel@sprintmail.com>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [46049] Oshkosh  
Message-ID: <000401bed773\$f4ddcca0\$0317e590@nosrrhensel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

hello all

Anyone going to Oshkosh this weekend for the EAA fly in?

I'll be there, drooling over all the neet aluminum.

Richard Hensel  
SPRINT  
rrhensel@sprintmail.com  
n8wlc@arrl.net

When you have a hammer in your hand ...  
        The whole world looks like a nail.



-----  
Date: Mon, 26 Jul 1999 09:52:04 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46050] FS: Atwater Kents  
Message-ID: <004601bed776\$7403ee40\$8467d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Randy Jouett <rules@bellsouth.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, July 26, 1999 8:04 AM  
Subject: FS: Atwater Kents

Hi Gang,

I decided to post this here before I put it on E-Bay and let my QRP friends have the first shot. I'm selling this for a friend that doesn't have net access. Here goes....

Atwater Kent Model 40. Very good condition, and it includes all of the tubes.

Atwater Kent Model 20. Poor condition, but it can be restored.

\$500.00 for the set.

72/73,

----

Randy Jouett, AB5NI

-----  
Date: Mon, 26 Jul 1999 10:59:49 -0400 (EDT)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-1@lehigh.edu>

Subject: [46051] For Sale MFJ's 9020, 9030!  
Message-ID: <19990726145949.10544.rocketmail@web127.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I am buying a QRP+ and I need to sell these two fine QRP rigs. The 9020 and 9030. I need to get \$150 for each but I can be a little flexible.

72!

Jeff

===  
Jeff Jones  
AB6MB  
NorCal QRP Club #65, QRP-L #1780  
CW Forever!!!  
Ghost Hunter  
Owner of the Delta MudCats fantasy baseball team  
Voicemail/Fax 1-888-Excite2 ext 925-439-2514

-----  
Do You Yahoo!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 26 Jul 1999 11:35:37 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [46052] Dare >milli / watting< At Receive End ?  
Message-ID: <19990726.113744.-215547.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

DARE (Dare \*mWing\* At Receive End)

While following this thread "milli watting"  
I interpret some of the written word with  
>want< and >need<  
for active participation.

I hope this post not too provocative or intimidating for such a pristine group,

but since qrp-1 constantly likes a challenge,  
here is a chance  
to put your bragging rights where your mouth (keyboard) is.

How many of you actually want to know  
What it is like to be on the other end of a milli Watt signal  
and positively want to know  
Is it your skill level, my power level or your equipment  
that gets the job done.

What skill?  
What level?  
What speed?  
What hardware?

A contest ? No.  
A study with prizes.  
You win a miles-per-watt endorsement and  
bragging rights declaration forthwith.

Riddle me this millwaters  
Which is best?  
Your skill level or your hardware configuration or is it my power level?  
Prove it!  
I will beacon CW five letter code groups (5,10, 20, 30 WPM, faster if  
necessary but always twixt and between).

My speed and power level will be encrypted into a five letter code word.  
E-mail that code word to me with your grid square and win a prize  
tout-de-suite,  
crack the cipher and calculate you own miles-per-watt receiving adeptness  
and win additional bragging rights.

Transmitter - with "step" attenuator  
Antenna - omni directional  
Time and frequency - TBD (at least 48 hours notice)  
QTH - FM19xa (contingent without notice)

I promise not to embarrass any person,  
I will always post prizes direct.  
If you choose to brag to the group,  
a little a lot or not at all  
that is your call, but  
just one rule

1) no excus, always give credit where credit is due

John

N3AAZ

-----  
Get the Internet just the way you want it.  
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.  
-----

Date: Mon, 26 Jul 1999 08:19:49 -0700  
From: Jerry Parker <jparker@fix.net>  
To: qrp-1@LeHigh.edu  
Subject: [46053] The Upcoming August 1st NorCal Meeting  
Message-ID: <3.0.6.32.19990726081949.00f857c0@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRPers,

the August meeting of the NorCal QRP Club will be held as usual Sunday August 1st at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so.

No rules, no minutes, no new business, no old business,  
just a get together of QRPers who want to meet and share  
QRP information with others of like interests. Our meeting  
is entirely social, and those who attend always seem to  
enjoy themselves. If you come, bring along your latest  
project to share with the rest of us, we want to see and  
admire it, probably steal a couple of your ideas in our  
next project, but we will have fun!

72,  
Doug, KI6DS

-----  
Date: Mon, 26 Jul 1999 17:13:08 +0200  
From: "LB" <cyberoptics@pandora.be>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46054] pixie2  
Message-ID: <013501bed779\$5eb530a0\$14008b1b@pandora.be>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi, just built my Pixie 2 over the WKend on Perfboard, works  
great , only audio is very thin, any suggestions to boost the  
audio a bit to drive a little speaker instead of a headset ?

Thanks ,

rgds  
ON9AAV

-----  
Date: Mon, 26 Jul 1999 10:17:18 -0500  
From: Karl.Kanalz@optelinc.com  
To: n0bs@compaq.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46055] Re: FT-243 crystals  
Message-ID: <862567BA.00546ADD.00@hdsmt01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Sure sorry to hear about John Morris.

J.A.N. Crystals (in Florida) has a h-u-g-e stock of FT-243 crystals,  
Thomas.

Karl K - W8TIF  
McKinney, Texas

"Thomas Moll" <n0bs@compaq.net> on 07/26/99 09:22:20 AM

Please respond to n0bs@compaq.net

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: FT-243 crystals

I just learned of the passing of John Morris, of CW Crystals.  
John was providing a valuable service to the amateur  
community that still has an appetite for the old style  
crystals, and will be missed.  
Can anyone recommend another source of FT-243's?  
Thanks,  
Tom Moll N0BS

-----  
Date: Mon, 26 Jul 1999 09:25:50 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [46056] Glacier Hamfest (Part 6)

Message-ID: <Pine.LNX.3.95.990726084610.31428A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mother Nature decided to smile on the hamfest once more as upon our arrival at the campground Friday morning, we found it to be nice and dry from the snowfall on Wednesday...the sun shone through the clouds and not everyone was wearing their parkas and heavy sweaters...with our programs in hand, Earl and I started "hamfest cruising" on this first official day of the gathering...trucks pulling RVs, motor homes, cars pulling hardtops, cars with tents; all began arriving in quick order....at one point there was a line up that extended onto the highway waiting to register...so this line was moved into the campground area in order to keep the highway safe at the turn-in...I noticed that most of the snow in the mountains surrounding the area was gone except for the very peaks...the flags of the United States, Canada and the Hamfest stood out in brilliant colors against the lush forest background...and so the day carried on with old friends greeting each other, new friendships being made while everyone was settling in...complimentary coffee, pin sales, 50-50 tickets, bunny hunts, WHAM on 90.1 MHz, the Montana Traffic net, registration, dealers, sign up for the Bazaar and the Friday night wine & cheese with live music by the Johnny Mac dance band all shifted into high gear...Saturday began with the colorful Opening Ceremonies at the Paviliion at 8:30 a.m....the Children's and Women's programs were in full swing along with the drawing of the first of many door prizes...tail gates swung down to announce individual flea markets throughout the hamfest...the seminar tents began their series of informational meetings; Storm Spotting, Mt. Royal Repeater Association, the History of Glacier Park, VE exams, more bunny hunts, and just in time, BBQ hamburgers at the paviliion at 11:30 a.m.; a cribbage tournament, QCWA meeting, APRS seminar, Satellite communications, the Hamfest History albums, CW contests including the ever popular QLF, the first ever QRP seminar at the hamfest, the Pet Parade, more prize drawings....then it was time for a hearty dinner followed by the annual General Meeting held in the Pavilion and the rest of the evening for socializing.....wait a minute; a QRP seminar?....hey, that was Earl and myself.....now where are my notes?.....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----

Date: Mon, 26 Jul 1999 09:49:58 -0500  
From: Tim Pettibone <k5oi@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [46057] Maine at last!

Message-ID: <3.0.6.32.19990726094958.007d3850@zianet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks to Joel, KE1LA, and his 3 element wire yagi in the woods of the far north, I finally have Maine 2-way QRP, CW on 40m. I've worked Joel before on QRP SSB, 40m, but it's taken awhile to do it CW for some reason. He got up at 3am his time and I really appreciate the effort. Think I need Delaware to finish 40m WAS, qrp. Any Delaware out there?

Tim K5OI  
QRP-L#73

-----  
Date: Mon, 26 Jul 1999 11:59:54 -0400  
From: Bill Cotter <bcotter@pop.uky.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [46058] DK9SQ Fiberglass Telescoping Tower  
Message-ID: <3.0.5.32.19990726115954.00a61100@pop.uky.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Each summer our family vacations on Sullivan's Island, SC for relaxation in the sun, surf and some serious radio'in on field day weekend! Operating conditions are terrible with the ocean breezes blowing on the porch, and the optical distractions walking up and down the beach make copying next to impossible. My scores will never make QST under these circumstances, hi! Usually, I toss an inverted vee over the roof of the beach house with the apex at 25ft. With balanced twin-lead feed and a tuner, I can use 40-10m bands with modest SWR. It has proved to work fairly well into the US and Canada, and actually quite nicely into Europe.

At the Cincinnati Hamfest this weekend, I had the opportunity to see firsthand one of the DK9SQ fiberglass telescoping towers. This was not the typical 15-20ft fishing pole, but rather a work of art. These extend to 33ft, are collapsible to less than 4ft and weigh a little over 3lbs. Perfect to throw into the trunk or on the roof rack. The base is about 1.75in dia and the tip appears to be approximately 1/8in. Needless to say, I was impressed with what \$99 could buy for vacation and portable antenna mast. Using one of these lightweight masts clamped to the deck, I could get the apex up to 45ft or so.



DK9SQ also displayed an add-on product to the tower, a lightweight "vertical-loop antenna". This kit consists of a pair of fiberglass arms, mast mounting assembly, 4:1 balun and wire to form what appears to be a quad loop. I'm not sure how this match across the 40-10m range, but I was told with a tuner it would function quite well. Perhaps someone with experience with this arrangement would comment on the performance.

Disclaimer: I don't have one, I don't work for them, I will likely buy one, hi! cu nxt fd

73 bill n4alg

---

References:

<http://www.qsl.net/dk9sq/antennas.htm>

<http://www.bright.net/~kanga/kanga/dk9sqpic.htm>

<http://members.xoom.com/oe9pti/>

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|                                   |                           |
|-----------------------------------|---------------------------|
| Bill Cotter                       | Mail: bcotter@pop.uky.edu |
| Technical Systems Project Manager | ICQ: 13117266             |
| VPIS Special Projects Office      | Pager: (606) 259-6082     |
| McVey Hall, Room-100              | Phone: (606) 323-6474     |
| University of Kentucky            | FAX: (606) 323-1978       |
| Lexington, KY 40506-0045          | Home: (606) 887-5563,2402 |

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Date: Mon, 26 Jul 1999 10:09:55 -0600  
From: jaywa5whn@juno.com  
To: qrp-1@lehigh.edu  
Cc: bensondj@aol.com  
Subject: [46059] NN1G's DSW xcvr kits  
Message-ID: <19990726.100959.-840329.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I was perusing the DSW - 30 xcvr schematic, enroute home from Ft. Tuthill

yesterday. With the laptop, I was able to simulate the transmitter chain down to 6VDC Vsupply. Try typing on a laptop while you are going through construction zones on I-40. ;-) Thank goodness WB5LYJ was piloting the SUV.

It looks like this xcvr will work @ 6VDC, albeit, not as efficient, but I think this xcvr design works. When I had arrived home, and unloaded the SUV, I had walked back to the shack. I have a SW-20+ xcvr which is identical to the DSW except for the PIC & DDS. Guess what? It does work @ 6VDC. About 200 millwatts on Tx {WM-2}. I have access to a HP spectrum analyzer, so I will peek at what the spectrum looks like. Who cares at that power level? What this means, for those of us who like to winter camp, the 12 VDC battery is dieing, this xcvr will continue to function at less than 12VDC. The only other xcvs that I personally know that would do this is N6KR's Sierra & SST design, but that was down to 9 VDC Vsupply.

For FYBO Y2K, this could make AB7TT very happy. ;-) You don't want to know how he warms up his batteries. Hint: It's not the armpits.

The usual disclaimers, I have no financial interest in either NN1G's or N6KR's businesses. I am just another happy abuser of their xcvr designs.

72...Jay, WA5WHN

DM65qd Albuquerque, NM USA

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Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Mon, 26 Jul 1999 09:24:10 -0700  
From: Bruce Grubbs <bog@flagstaff.az.us>  
To: qrp-1@LeHigh.edu  
Subject: [46060] Bee #30 report  
Message-ID: <3.0.5.32.19990726092410.0099be80@mail.infomagic.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello all,  
I operated from my alternate site at about 8,400 feet in the Dry Lake Hills north of Flagstaff, AZ, which was a mile and a half hike. (My preferred site is on a 10,000 foot north-south ridge- a great place to radiate a signal, but also a juicy target for the forecasted thunderstorms.) I used a couple of new pieces of gear, a K2, and a 270 ft lightweight horizontal

loop made from #26 teflon wire. I supported it from the pine and fir trees surrounding the meadow at my operating site, using 20 pound fish line, and fed it with tv twinlead and a ZM-2 tuner.

The clouds were already building over the nearby mountains as I finished the antenna, so I set up my tarp. Sure enough, it rained during most of the 'test, and for the hike out. My homemade ultralight tarp has sheltered me on many wilderness trips and it didn't fail this time.

Oh yes- the bands. I made 31 contacts, 2 on 40m and the rest on 20, with 18 bees, for a score of 3240. Twenty was so quiet at first I wondered if the antenna or the rig were shot. All my contacts were with western stations. I could hear the east coast sometimes, right down in the noise, but no joy.

All in all, a fun event.

72

Bruce, N7CEE  
DM45ee  
Flagstaff, Arizona USA  
bog@flagstaff.az.us

-----  
Date: Mon, 26 Jul 1999 10:33:28 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [46061] Glacier Hamfest (Part 7)  
Message-ID: <Pine.LNX.3.95.990726095731.8292A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The QRP Get-together was scheduled for 3:30 p.m. on Saturday afternoon...Earl & I were really looking forward to this especially seeing we had the good fortune to find out that Jay (WA5WHN) & Judy (WB5LYJ) of QRP-L fame were also staying at the Mountain Pine Motel...so we had a super eyeball the night before which went by all too quickly...it was as though we were doing a "mind-meld" with Jay trying to learn all we could about the people who are the driving forces behind qrp and QRP-L....we couldn't get enough...thanks a million Jay & Judy!...with the wx cooperating, I was hopeful that we would have a good turnout...it certainly exceeded our expectations and was proof of the growing interest in QRP...with 22 people taking all the seats and several standing, Earl and I waited a bit before starting because the CW contests were scheduled

to begin at 3:00 p.m. which produced an "overlap" problem as some of the contestants were qrpers...we'll have to see if this can be avoided in 2000... ;-) ...I informed all that this was not going to be a formal seminar and that everyone would have an opportunity to participate...I held a golf ball up in one hand and intoned one of the famous mottos of QRP...with that I introduced myself and explained how I got into the wonderful qrp world....I passed around a few of the awards for qrp operating; examples of QRP publications; showed my fully operational SWL 30 mtr "alligator clip" rig...heh,heh....it really does work!!...as I'm winding up Don Cole, VE6EY, pulls the rug from out under me, by presenting me with a beautiful plaque from the Calgary Amateur Radio Association, the VE6AO Trophy, for Top Score Canadian Phone QRP Station in the 1998 A.R.R.L. Sweepstakes Single Operator Class....I'm still shaking my head over that one but the plaque is now proudly displayed in my shack!... thanks to you Don and to the CARA!...maybe Don will put a post out on this CARA award program for us...I know you would like to snare one of these beautiful plaques for your shack wall!!....now, you might wondering who was in attendance at this QRP Get-together....that's next!.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----  
Date: Mon, 26 Jul 1999 12:54:30 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [46062] BB from CT--W1VT  
Message-ID: <379C92C5.C5B58A71@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

W1VT Homebased effort HW-9+yagi+dipole  
band Qs BB Time: 3.5 hrs  
40 12 9  
20 34 18  
15 10 5  
12+2\*44=100 100\*32\*3=9600.  
Missed 10,000 pts by about 30 seconds--didn't finish  
the QSO with N0SXX before the clock rolled over  
to 2100Z. KH6AFS had a great signal on 15M--569.

-----

Date: Mon, 26 Jul 1999 11:17:14 -0600 (MDT)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: n0bs@compaq.net, qrp-1@lehigh.edu  
Subject: [46063] Re: FT-243 crystals  
Message-ID: <199907261717.LAA20883@rgfn.epcc.edu>

Not sure if this got out before the system crashed or not - if it is a repeat, please excuse.

You might try Peterson Radio out of Council Bluffs, Ia - Mrs. Peterson is still running the business and has or had FT243 types last time I checked. I tried to pull my file with her address and phone number but the computer said illegal function! So best I can do at the moment is say look in the classified ads of QST and CQ as she advertises there. Sorry to hear John has passed on, and I think he was just getting CW going in good shape from the other OT that had it previously.

73

Ray

--

Ray Colbert, W5XE  
OOTC 3618, SOWP 1064M  
El Paso, Tx (FAR WEST TEXAS!)  
also: w5xe@juno.com

-----  
Date: Mon, 26 Jul 1999 13:22:42 -0400  
From: Bill Cotter <bcotter@pop.uky.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46064] DK9SQ Fiberglass Telescoping Tower  
Message-ID: <3.0.5.32.19990726132242.00a272b0@pop.uky.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Each summer our family vacations on Sullivan's Island, SC for relaxation in the sun, surf and some serious radio'in on field day weekend! Operating conditions are terrible with the ocean breezes blowing on the porch, and the optical distractions walking up and down the beach make copying next to impossible. My scores will never make QST under these circumstances, hi! Usually, I toss an inverted vee over the roof of the beach house with the apex at 25ft. With balanced twin-lead feed and a tuner, I can use 40-10m

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DK9SQ also displayed an add-on product to the tower, a lightweight "vertical-loop antenna". This kit consists of a pair of fiberglass arms, mast mounting assembly, 4:1 balun and wire to form what appears to be a quad loop. I'm not sure how this match across the 40-10m range, but I was told with a tuner it would function quite well. Perhaps someone with experience with this arrangement would comment on the performance.

Disclaimer: I don't have one, I don't work for them, I will likely buy one, hi! cu nxt fd

73 bill n4alg

-----  
References:

<http://www.qsl.net/dk9sq/antennas.htm>

<http://www.bright.net/~kanga/kanga/dk9sqpic.htm>

<http://members.xoom.com/oe9pti/>

-----  
Bill Cotter, N4ALG                      E-mail: bcotter@pop.uky.edu  
173 Carolyn Lane                      Home: (606) 887-5563,2402  
Nicholasville, KY 40356-9340      Work: (606) 323-6474

ARRL      ARCI #9878      QRP1 #1646      QCWA #29393      FISTS #4535  
-----  
-----

Date: Mon, 26 Jul 1999 10:09:46 -0700 (PDT)  
From: =?ISO-8859-1?Q? "KB=D8VCC" ?= <kb0vcc@rocketmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [46065] BB #54 chased off the mountain by mother nature...  
Message-ID: <19990726170946.8775.rocketmail@web4.rocketmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

My apologies to all who were doing the ARS BB thing and were expecting to hear #54 from NH...

Saturday night, I checked the alignment of the OHR500 and loaded up the backpack with everything I'd ever need. I was packed heavy, but probably more prepared for this event than I was for any of its kind. With water, it weighed in at 65 pounds! Sunday morning, I awoke to fog and drizzle. Not one easily dissuaded, I set out on the trail head at 11:00. The destination, was Kearsarge North. (NOTE: This is the Kearsarge Mtn in Intervale, NH, NOT the one in the southern part of the state). At the summit is a fire tower that I planned to operate from using a 100' random wire fed thru an MFJ transmatch. I selected this site because of its remoteness to RFI and relative ease of access.

The trail head sign said 3.0 mi. By this time, there was a light rain but my gear was wrapped in plastic inside the pack. Fifteen minutes into the hike, I could hear distant rumbling to the NW. I figured I'd continue in hope of it passing to the North. WRONG! Another 45 minutes into the hike, I was nearing the summit (Yes, I hike HARD and FAST). The sky then opened up. Torrential rain! Hail! Wind! Lightning strikes were pounding all around me with little to no delay to the thunder. I got SCARED! What was I to do? Continue to the summit and seek shelter on the top of the mountain in a steel fire tower? NOT! I regretfully turned around and started my descent. Within minutes, the trail turned to a rapidly moving stream of mud and rocks, washing the ground out from under my feet. The lightning was relentless! Finally making it back to my car I thanked god for my preservation.

So, go ahead. Call me a coward! A quitter! A sissy! ...but at least I'm still alive. Dissapointed to tears for the effort I put forth, but alive to try again

next year.

Congratulations to all those successful Bees and many thanks to ARS for once again hosting this challenging event.

72/73,  
-Dale

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

-----  
DO YOU YAHOO!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 26 Jul 1999 13:12:15 EDT  
From: N9DD@aol.com  
To: bowerm@ix.netcom.com  
Cc: qrp-l@lehigh.edu  
Subject: [46066] Re: single paddle or dual paddle  
Message-ID: <5bc3eb45.24cdf0ef@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Michael

By all means, you should get a dual lever paddle and learn how to properly "squeeze key". You will be able to send faster.

There was a time when nearly all paddles were single lever. You formed the characters by batting the lever side to side. That is what I learned on and I have been unable to "unteach" myself. I will occasionally try to form characters by using the squeeze key "iambic" technique, especially when calling CQ, but I always fall back to the old "batting back and forth" method when I don't force myself to do otherwise.



Personnaly, a single lever paddle would be fine for me, but it is nice to have the option to squeeze key. Maybe someday I'll force myself to spend the time necessary to learn the method. My copying speed has surpassed the speed I can accurately send. Learning proper iambic keying technique would help alot, I'm sure.

Tom N9DD  
South Bend, IN

-----  
Date: Mon, 26 Jul 1999 12:43:20 -0500  
From: Michael Melland <badger@vbe.com>  
To: rrrhensel@sprintmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [46067] Re: Oshkosh  
Message-ID: <379C9E38.36769417@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Richard Hensel wrote:

> Anyone going to Oshkosh this weekend for the EAA fly in?  
>

Richard,

I'm always here <grin>. When in town listen for W9WIS..... I'll be on 40 early evenings trying out my "new" Ten-Tec Power Mite PM3A. There is also a special event station on the grounds all week (Wed 28 through Wed 4)..... run by the Fox Cities Amateur Radio Club (W9ZL). Great certificates for contact ! Local 2 meter repeater most used is the 147.240 (no PL).

73 de Mike Melland, W9WIS  
Winneconne, WI  
(Just outside Oshkosh)

-----  
Date: Mon, 26 Jul 1999 13:53:16 -0400  
From: Willie Martin <71052.134@compuserve.com>  
To: qrp-l <QRP-L@LEHIGH.EDU>  
Subject: [46068] Variable Capacitors  
Message-ID: <199907261353\_MC2-7E4E-9EDC@compuserve.com>

MIME-Version: 1.0  
Content-Transfer-Encoding: 8BIT  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline  
Content-Transfer-Encoding: quoted-printable

Is there a way to determine the capacitance of an air variable capacitor?  
I have several unit given me that I am hoping will work for tuning a  
portable forty meter loop of copper pipe.

Both capacitors are 3 gang, and one has all three gangs linked together  
with a small bar on each side.

Not sure if this is clear.

I have a digital multimeter and an MFJ 259 analyzer as my only test  
equipment.

Any help is appreciated.

73,  
Willie

-----  
Date: Mon, 26 Jul 1999 15:37:47 -0500  
From: Wes Spence <ac5k@ih2000.net>  
To: qrp-l@Lehigh.EDU  
Subject: [46069] Trade Bencher for Paddlette  
Message-ID: <379CC71A.3741@ih2000.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Honorable Gang:

This weekend's Bumblebee Sprint taught me that I need a lighter keyer  
paddle for field use. I have a Chrome Bencher Iambic keyer paddle that  
I would like to trade for a paddlette. I prefer the BP version of the  
paddlette, but will consider either. Please e-mail direct with any  
questions.

Thanks and 72,

Wes Spence, AC5K

-----  
Date: Mon, 26 Jul 1999 18:10:12 +0000  
From: Hrafnkell Eiriksson <hkelle@rhi.hi.is>  
To: qrp-1@lehigh.edu  
Subject: [46070] SPICE model of NE602  
Message-ID: <19990726181011.A28526@rhi.hi.is>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi

Does anyone here know of a spice model of the NE602 or NE612 mixers (for spice 2g6)?  
I'm trying to model a direct conversion receiver that I'm designing.  
So far I've successfully modeled the audio filter/amplifier chain and everything looks OK.

Thanks  
Hrafnkell

--  
//-----//-----  
// Hrafnkell Eiriksson // Student of Computer- and Electrical engineering  
// hkelle@rhi.hi.is // at the Univeristy of Iceland  
// he@ieee.org // "Blessed are they who go around in circles,  
// Finger for PGP key // for they shall be known as Wheels"

-----  
Date: Mon, 26 Jul 1999 12:29:43 -0700  
From: "Arthur G. Silvers" <ags@ieee.org>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [46071] Bears and Cow Bells!  
Message-ID: <379CB727.84A650E2@ieee.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Woodchuck Basin is beyond Lake Alpine on route 4. It's easy to miss - just a clearing on the inner curve of a switch back as the road winds through the Sierra towards Ebbet's Pass. Its part of the Stanislaus Nat'l Forest called Mokulemne Wilderness area.

I pulled my Jeep into the camp ground parking lot at about 0800 PDST. The temp was a brisk 60F and not a cloud in sight. I prepared for the 2 mile hike up the 1500 feet to Wheeler Ridge; 48oz of H2O in 2 water

bottles, extra outer ware, a wide brimmed hat, #50 sun block, bug repellent, flash light, 9 and 20 ft lengths of coax, 4 quarter wave length of 5 conductor for radials, a qtr wave length of wire with fishing tackle and alligator clip for the radiator, 3 8 pack AA battery cells, my SD20 with nifty base courtesy of Vern (W6MMA), 2 mtr hand held with speaker mike and 2 battery packs, SST20 (with mods), RS folding earphones, Whiterook keyer/paddle, magic putty, 2 clip boards, a beach chair, log sheets for 450 QSOs (you never know), 2 pens, my buck folding knife, and 2 power bars (although, I could never eat 2 at one time).

The hike in was, in a word, spectacular. A few hundred yards into the ascent I reached the trail head. "Wheeler Lake - 3.5 mi". The ridge was about half way or so. The long steep leg is through the woods below the tree line. The shade of the trees was refreshing and I didn't mind the steepness of the trail.

After penetrating further into the forest I could hear cow bells off in the distance. "What? Bears wearing cow bells? What will they think of next?"

Although I don't claim to be a botanist or even a naturalist, I do recognize when the wild mountain flowers are in bloom. Full bloom probably won't be for a few weeks but the profusion of colors was quite a sight for this city boy. As I breached the tree line the view of the ridge was magnificent in the morning light. The side of the ridge was covered with mule ear and mountain penny royal (coyote mint); the former named because it is exactly what you would expect to grow from the head of a green mule and the latter which emits the fragrance of minty lavender after shave. Rub some of the penny royal between your hands and it is quite intoxicating. You could probably use it for tea. I have a bunch of it hanging in my cube (they actually think I'm busy writing some important memo right now 8~}. Well, I am!).

The trail above the tree line leveled off a bit and the going was easier. More cow bells. By this time I was well above Inspiration Point and Lake Alpine. Blue sky above with coastal clouds far off to the west. A few more switch backs and a gradual ascent brought me to a saddle on the ridge just below my site. Buzzzzzz! Hmmm, lot's of bees going after the penny royal. The last hundred yards or so is very steep and rocky. I took my time and got there with no trouble or sweat. A threesome of light traveling hikers were descending. They were collecting coyote mint. We exchanged greetings.

The set up was easy with not too much time to spare - 0945. I sat back, took off my sweat shirt, smeared some #50 all over my arms, face, ears, neck (my dermatologist would approve), plugged in my earphone, and tuned to 14060...nothing, no atmospherics, nada. I disconnected the coax and touched the alligator clip on the radiator to the input on the SST and

the frequency came alive. 1000 PDST. I took off the alligator clip and connected directly to the SST (Hey! Just like at home in my garage!). Thus configured, I made 2 contacts (VE7CQK, AC6CW) before I realized my blunder. I had connected the radiator to the securing bolt rather than the center conductor terminal on Vern's base. Duhuh!

Anyway back in business and I realized I was surrounded by all sorts of flying fauna. The temp had risen to about 75F in the strong sun and the ridge is covered with a profusion of flora. And yes there were bumblebees. One really had a thing about my elbow. I whisked him (it) away and he (it) stumbled onto the arm of the beach chair. He looked back at me in objection, "Hey! Gimme a break! Just tryin' to get some lunch. What kinda bee are you anyway?" I was speechless.

Well, I was taking it all in and really had trouble focusing on the objective. The view is something else. Sorry no pics at this time. Nuts! A camera seemed like a bit too much more weight. Maybe in the coming weeks, I'll go back up and get some pics.

In the four hours, I made about 14 contacts, all but two of which were BBs. I'm still not the great CW op that I hoped I would be by now, 41 years since I first got my novice ticket, but I am definitely improving and I certainly hope everyone had as good a time as I did. Thanks to all who gave me a call.

73s  
Arth W6AGS

-----  
Date: Mon, 26 Jul 1999 16:08:04 -0400 (EDT)  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: bowerm@ix.netcom.com, qrp-1@Lehigh.EDU  
Subject: [46072] RE: SINGLE OR DUAL PADDLES??  
Message-ID: <19990726200804.5805.rocketmail@web222.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello Michael - -

The first electronic keyers, and "most" of them built well into the mid- to later-60's, were non-iambic. That is, when both dot and dash contacts were closed at the same time, they would send either a string of dits or a string of dahs, not the alternating dit-dah pattern of the iambics. All the early keyers used vacuum tubes, later transitioning to discrete transistors, with "squeeze key" iambic keyers with features like self completing characters and dot and dash insertion first coming into being with the availability of logic IC's in the 60's. Therefore,

most of the first commercially made paddles were single paddle designs like the Vibroplex Vibrokeyer.

NOBODY (???) makes a non-iambic keyer anymore, and for the life of me I can't think of a single lever paddle on the market anymore either, although it hasn't been that long ago that Vibroplex was still making the Vibrokeyer paddle.

If you're new to keyers (which I assume), start learning iambic from the git-go. Find an experienced and competent iambic user to help you get started, and then practice till you're comfortable enough to try it on the air.

Some old timers never made the transition from straight keys and bugs to keyers, but a lot of that is just a mind set. I have a very good friend in South Dakota who's been licensed since 1959, and is a good CW operator, but no matter how hard he's tried, he's never been comfortable with a keyer. He's never figured out how to use the squeeze key keyer features that I mentioned earlier.

As to what paddles to buy, we've been through that many times here and I won't get into that. Go to field day, or talk to your local club and lots of guys will be glad to let you come by and try their paddles. Try several until you find one that you like in your price range.

I sure took my sweet time in answering your question, but thought the history lesson might be interesting to others on the list too.

By the way, I've built six IC keyers including a Digi-Keyer (non-iambic RTL IC's) from 1970, a WB4VVF Accu-Keyer from 1973, all three versions of the CMOS Super Keyer series, and the original first production run TiCK. My paddles are a set of Brown Brothers.

Oh, well.

72's es 73's,

Brad, W5CGH

===

Brad Bradfield, PE  
W5CGH (ex WB0CGH)

Systems Engineer  
Raytheon Systems Company

Real men talk with their fingers!!

|         |            |                    |             |
|---------|------------|--------------------|-------------|
| NORTEX  | QRP-L #377 | QRP-ARCI           | SMIRK #4906 |
| ARS #72 | NORCAL     | Austin QRP Club #e |             |

-----  
Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 26 Jul 1999 13:30:11 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-1@Lehigh.EDU  
Subject: [46073] Special Thanks  
Message-ID: <199907262022.NAA19394@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Folks, a lot of people deserve a word of thanks for helping out at Ft Tuthill, and we'll get to that shortly, but I want to send a special thanks to Loretta 'Lori' Parker, N6WGC, for making the badges for those who pre-registered. This great looking badge drew a lot of comment, and quite a few 'where can I get one of those' from others at the Hamfest.

I know she has made them for several other events, but I just want to say how much we appreciate it, and let the list know that there are a lot of supporters out there hiding in the woods.

Thanks, Lori!  
72,73  
Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Mon, 26 Jul 1999 13:19:09 -0700  
From: Bruce Grubbs <bog@flagstaff.az.us>  
To: ac7a@uswest.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46074] Re: Ft. Tuthill, the K2, et al  
Message-ID: <3.0.5.32.19990726131909.009d85c0@mail.infomagic.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have to agree with Thomas- the QRP people, booth, and events put together by the Arizona ScQRPions make Ft. Tuthill for me. Before the QRP events were organized, I sometimes didn't go to Tuthill. And I live here!

72  
Bruce N7CEE  
AZ ScQRPion member in Flagstaff who can't claim credit for all the

organizing done by the Phoenix members...

-----  
Date: Mon, 26 Jul 1999 15:43:17 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [46075] COAX ISOLATION SWITCH  
Message-ID: <807969b6.24ce1455@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am installing a new antenna farm here (maybe more aptly called a victory garden). I want to be able to isolate the feedlines outside of the home whereby minimizing the chance of lightening or a large puls from entering the home. I purchased some heavy duty DPDT knife switches for the balanced feedline.

The question is to be able to isolate the coax and short it to ground can I use a knife switch here also or is there a better arrangement. My concerns with the typical coax switch the center conductor is isolated but not the braid side. I did not know if the knife switch would introduce a significant interuption in the feed system.

I know this is not exactly QRP but it seems the consumate experts reside here.  
Alan KB7MBI

-----  
Date: Mon, 26 Jul 1999 13:38:09 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@Lehigh.EDU>  
Subject: [46076] Glacier Report (Final)  
Message-ID: <Pine.LNX.3.95.990726130001.28757A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here's a list of the people who attended the QRP Get-together and posed for the group photo....

|                              |                           |
|------------------------------|---------------------------|
| Vern Wheeler-> N7SPK -       | Doug Peterson-> KD7DOK -  |
| Bill Vodall-> WA7NWP -       | Judith Miller-> WB5LYJ -  |
| Jay Miller-> WA5WHN -        | Bruce Rattray-> VE5QRP -  |
| Niels Kristjanson-> VE6NJK - | Kent Abendroth-> WA7DUC - |



|                              |                           |
|------------------------------|---------------------------|
| Mal Goosey-> N7GS -          | Earl Murphy-> VE6EWM -    |
| Tom Sneddon-> VE6ZC -        | Maria Nenwirth-> VE6MSN - |
| Heinz Kloppenburg-> VE6EQW - | Tom Ohba-> VE6OBA -       |
| Stan Skelton-> VE7SKT -      | Doug Dunn-> K7YD -        |
| Laurin Olson-> VE6CHS -      | Don Cole-> VE6EY -        |
| Virgil Veritz-> KI7WW -      | Pat Moore-> AL7L -        |
| George Henline-> VE6HTO -    | Skip Leininger-> K0YWD -  |

...many had brought their qrp goodies with them so it was time to accomplish two things; put faces to the call letters finally and show & tell...I began with Jay(WA5WHN) & Judy(WB5LYJ) who had brought a typical qrp portable station with them....Judy showed us a complete qrp rig that she had assembled in one evening's time; what a great job!...I was envious...around the tables we went meeting new friends and seeing the many fine rigs, antennas, paddles...Earl's (VE6EWM) 4 rigs were so nice to behold especially seeing he makes his own chassis as well...we had to digress at this point to help a fellow qrper who had "strayed".....during flea market fever, Earl had succumbed to the darker forces and purchased an amplifier which he put in the trunk of his car....upon learning that this amp had a pair of 812s in it, I knew Earl needed help; and lots of it....when I reluctantly revealed our "Sinner" the group didn't hesitate.... the qrp esp in the tent was overwhelming with it's healing powers....Earl smiled and I later heard that he opened his car trunk and wrote in huge letters, "BOAT ANCHOR" on the amplifier!....also we had 2/3 amateurs who hadn't "seen the light" yet....hopefully we've added to the qrp ranks through them... many questions were answered and much laughter was shared by all as the time allotted flew by too quickly...an hour and a half later we had heard from everyone and it was time for the group picture...comments such as "We're doing this again next year, right?"... "Let's go for a 2 hour slot!"..."Make sure we don't overlap the CW contest."..."This is my kind of seminar!", flew in abundance.... Earl and I smiled as we had just received our "pay" for putting on the QRP Get-together at the Glacier/Waterton hamfest 1999!....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----

Date: Mon, 26 Jul 1999 13:50:04 -0500  
From: "Joel Frederick Kluender" <nf9k@eudoramail.com>  
To: qrp-l@lehigh.edu  
Subject: [46077] SD-20 still available?  
Message-ID: <LKL DLC DH DPAA IAAA@shared1-mail.who where.com>  
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

All,

Anyone know if there are any new or surplus SD-20's still available from South Bend?

I went to their website and didn't have any luck but maybe I just didn't look hard enough. Or maybe they are history. I'd really like to see one if any can be had new or used.

Thanks for the info,  
Joel NF9K/0  
(Shakopee, MN)

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-----  
Date: Mon, 26 Jul 1999 14:58:17 -0400  
From: "Frank Matthews" <fmathews@pilot.infi.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [46078] Attention "Mod Squad"...SST Modifications  
Message-ID: <000501bed798\$d4213720\$940961d1@fmathews>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dear "Mod Squad" Member,

I have just completed an SST and would like to know if there is a site or source for SST modifications? I have searched the QRP-L archives but as soon as I find a modification it seems there is a "modification" to the modification posted further down the list.

Just wanted to know if there was a list of "tried and true" modifications available. I am particularly interested in:

- VX0 Tuning Range
- VX0 Tuning Linearity (18K resistor from wiper to 8V side?)
- Widening the crystal filter (68pf @ C6,C9 and 180pf @ C7,C8?)
- TX and RX pitches (C24 + C10....50pf trimmer?)

Increasing power output (R10 to 120 ohms, use MFR237 for Q2?)

Is the jury still out on my findings or has the final judgement been made?  
Thanks for the help.

72, Frank

-----  
Date: Mon, 26 Jul 1999 14:52:22 -0600  
From: "Zoerb, Ron" <Zoerb.Ron@tci.com>  
To: "'QRP-l Messages'" <qrp-l@lehigh.EDU>  
Subject: [46079] BB#16 / Ki0ii / WY / QRP / WoW!  
Message-ID: <48D6D3436127D311BC0700805F57884D19B470@copland.tci.com>  
MIME-Version: 1.0  
Content-Type: text/plain

To QRP-L ers,

Thanks to ARS for a great QRP event.

My ARS BB 1999 plans had long been to include it as part of a long sailing weekend in western Nebraska, which was cancelled due to equipment problems. Having trained for a year to be BB16 and not wanting to miss it, I headed to a hilltop just north of the CO/WY border that always looked like the type of area that deserves a closer look.

The selected spot offered a unobstructed view of Rocky Mtn National Forest to the south, the Snowy Range to the west, only 30 miles or so to the north and a long ways to the east. This was near the crest of the divide between Laramie, Wy and Fort Collins, Co. at a elevation of around 8500 ft. It was sunny, windy and cool with a half dozen antelope to keep me company. The nearest tree was a mile away, so the W3EDP antenna was draped over and suspended between two rock formations and I was in business. (I have to get serious about a portable vertical antenna).

Found 20 meters busy, 15 enjoyable with some activity, 40 worthless due to static crashes and 10 meters quiet. Thunder storms chased me off my perch 3 times during the event with each one getting heavier and lasting longer. I suffered from severe "brain fade" during the last hour, having trouble coping and sending code with out making a lot of mistakes. Had good success calling CQ and having 2 to ?? stations answer, boy what an experience. I know there were many stations calling I could not make out and I apologize for the lack of operating skills.

I got packed up just before a downpour began that limited visibility to less

than 30 feet. On the way down the hill, the temperature got much warmer, the shower only lasted for a mile or so and after 50 miles or so I hit the Sunday afternoon I-25, back to Denver traffic jam. I am still smiling!

Results summary:

40 mtrs 1 = 1 pt  
20 mtrs 43 = 86 pt (what it sounds like "inside" the bee hive)  
15 mtrs 15 = 30 pt  
117 qso pts X 75 (25 BB worked) = 8775

Personal best of 27 Q's per hour. 27 of the total 59 contacts came in a one hour stretch. (No I'm not ready to be a FOX, but I'm not giving up either)

Lessons learned:

Forget computer logging for "outdoor" events.  
Need to add a portable vertical antenna to the "travel kit" and spread tree seed where ever I go.  
The LED display is worthless in sunlight.  
Present the other side of your body to the sunlight on a regular bases.  
Take time out in life to see what is on the other side of the hill.

Looking forward to ARS Flight of the Bumble Bees 2000.

72 Ron ki0ii / BB#16 1999

-----  
Date: Mon, 26 Jul 1999 16:54:13 -0400  
From: "Tim Cook" <timcook@erinet.com>  
To: "[Ten Tec] - Reflector" <tentec@contesting.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46080] WTB: TT Model 245 CW Filter  
Message-ID: <00bb01bed7a9\$073c74c0\$2d6b5acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Looking for a model 245 cw filter for a Triton 540. Please email direct.  
Thanks  
Tim

NZ8J

-----  
Date: Mon, 26 Jul 1999 17:31:48 EDT  
From: RadioKOL@aol.com  
To: qrp-l@lehigh.edu  
Subject: [46081] WTB:HTX-100  
Message-ID: <489fddb3.24ce2dc4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Looking for a Radio Shack HTX-100 in good condition. Please email me back directly if you have one you'd like to sell.

Bill, KB9KOL

-----  
Date: Mon, 26 Jul 1999 16:55:24 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [46082] Frequency Counter  
Message-ID: <01ba01bed7b1\$9216bee0\$4f0d76d8@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="windows-1250"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang, I am looking for a frequency counter for the purposes of aligning homebrewed rigs, and also to tell me the exact frequency I am operating on with my homebrew rigs. Right now I am just guessing!!

Rat Shack has one for \$99.00

If anybody knows where a better deal can be had please respond to me!

Thanks

73's

Charles  
KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919  
<http://www.angelfire.com/de/kc5dxq/index.html>

-----  
Date: Mon, 26 Jul 1999 14:02:48 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: fmathews@pilot.infi.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46083] Re: Attention "Mod Squad"...SST Modifications  
Message-ID: <379CDB08.2C483176@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Check out <http://www.karoo.co.uk/g3ycc/sst1.html>

--  
73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska  
<mailto:al7fs@qsl.net>  
ICQ 11022915

Frank Matthews wrote:

>  
> Dear "Mod Squad" Member,  
>  
> I have just completed an SST and would like to know if there is a site  
> or source for SST modifications?

-----  
Date: Mon, 26 Jul 1999 16:27:58 -0600 (MDT)  
From: James P Rybak <jrybak@mesastate.edu>  
To: Hrafnkell Eiriksson <hkelle@rhi.hi.is>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46084] Re: SPICE model of NE602  
Message-ID: <Pine.OSF.4.10.9907261627260.16322-100000@mesa7.mesa.colorado.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need one, too.

Jim Rybak W0KSD

On Mon, 26 Jul 1999, Hrafnkell Eiriksson wrote:

```
> Hi
>
> Does anyone here know of a spice model of the NE602 or NE612
> mixers (for spice 2g6)?
> I'm trying to model a direct conversion receiver that I'm designing.
> So far I've successfully modeled the audio filter/amplifier chain
> and everything looks OK.
>
> Thanks
>   Hrafnkell
>
> --
> //-----//-----
> //  Hrafnkell Eiriksson //  Student of Computer- and Electrical engineering
> //  hkelle@rhi.hi.is    //  at the Univeristy of Iceland
> //  he@ieee.org         //  "Blessed are they who go around in circles,
> //  Finger for PGP key   //  for they shall be known as Wheels"
>
```

-----

Date: Mon, 26 Jul 1999 16:58:26 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: b\_bradfield@yahoo.com, qrp-1@lehigh.edu  
Subject: [46085] RE: SINGLE OR DUAL PADDLES??  
Message-ID: <199907262253.QAA17632@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hi, Brad, Gang--

>>NOBODY (???) makes a non-iambic keyer anymore, and for the life of me I  
can't think of a single lever paddle on the market anymore either,<<

I don't know of any non-iambic keyers being made now but the keyer in the  
Russian "Key 8" keyer paddle, which is still available, is non-iambic. I've  
sold several to OT's moving "up" from a bug. And some of the more "advanced"  
iambic keyers can be programmed for bug and/or non-iambic operation.

There are a few single lever paddles around-- Hi-Mound's MK705, and G4ZPY's  
Model 14 to name two. I think singles are still available from both Bencher

and Vibroplex, although those are both "locked" versions of the dual paddles.  
And I think Whiterook makes one too, don't you, John?

Probably there are others around that I just haven't found yet. There is a  
surprisingly high demand for them.

Many dual lever paddles can be "wedged" or locked so that they won't squeeze--  
sometimes you have to back the adjustments off so that the levers can move  
"backwards" a bit.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

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<http://www.ohr.com>

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--

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End of QRP-L Digest 1529

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